SERVICE MANUAL

AA-2U CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST</u>	CHASSIS NO.
KV-36FS12	RM-Y168	US	SCC-S44A-A
KV-36FS12	RM-Y168	CND	SCC-S45A-A
KV-36FS12	RM-Y168	HAWAII	SCC-S46A-A
KV-36FS16	RM-Y169	US	SCC-S44B-A
KV-36FS16	RM-Y169	CND	SCC-S45B-A
KV-36FS16	RM-Y169	HAWAII	SCC-S46B-A
KV-36FV16	RM-Y171	US	SCC-S44C-A
KV-36FV16	RM-Y171	HAWAII	SCC-S46C-A
KV-36FV26	RM-Y170	US	SCC-S44D-A
KV-36FV26	RM-Y170	CND	SCC-S45C-A
KV-36FV26	RM-Y170	HAWAII	SCC-S46D-A







RM-Y170

TRINITRON® COLOR TV SONY®

SPECIFICATIONS

		KV-36FS12 KV-36FS16	KV-36FV16 KV-36FV26
Power requirements		120V, 60Hz	120V, 60Hz
Number of inputs/outputs			
	Video 1)	3	3
	S Video 2)	1	2
	Y,P _B , P _R 3)	1	1
	Audio 4)	4	4
	Audio Out 5)	1	1
	Monitor Out		1
	S-Link		3
	Control-S (IN/OUT)		1
Speaker output(W)		5W x 2	15W x 2
Power Consumption(W)			
	In use(Max)	190W	200W
	In standby	2W	2W
Dimensions(W/H/D)			
	(mm)	910 x 791 x 650	975 x 757 x 633
Mass			
	(kg)	100 kg	107 kg
	(lbs)	220 lbs.	236 lbs.

Television system

American TV standard, NTSC

Channel coverage

VHF:2-13/UHF:14-69/CATV:1-125

Picture tube

Trinitron® tube

Visible screen size

36-inch picture measured diagonally

Actual screen size

38-inch measured diagonally

Antenna

75 ohm external terminal for VHF/UHF

Supplied Accessories

RM-Y168 (KV-36FS12 ONLY)

RM-Y169 (KV-36FS16 ONLY)

RM-Y170 (KV-36FV26 ONLY)

RM-Y171 (KV-36FV16 ONLY)

Batteries size AA (R6) (2)

Wireless Stereo Headphones MDR-1F0230 (KV-36FV26 ONLY) Battery for Headphones size AA (R6) (1) (KV-36FV26 only)

Optional Assessories

AV Cable: VMC-810/820/830 HG Audio Cable: RKC-515HG

S-LINK Cable: RK-G69HG (KV-36FV16/36FV26 ONLY)

Component Video Cable: VMC-10/30 HG

TV Stand: SU-36FD3

Design and specifications are subject to change without notice.

- 1 Vp-p 75 ohms unbalanced, sync negative
- Y: 1 Vp-p 75 ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms
- Y: 1.0 Vp-p, 75 ohms, sync negative; PB: 0.7 Vp-p, 75 ohms; PR: Vp-p, 75 ohms 500 mVrms (100% modulation), Impedance: 47 kilohms
- More than 408 mVrms at the maximum volume setting (variable) More than 408 mVrms (fix); Impedance (output): 2 kilohms

(●) SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

The word 'SRS' and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

BBE and BBE symbol are trademarks of BBE Sound, Inc. and are licensed by BBE Sound, Inc. under U.S. Patent No. 4,638,258 and 4,482,866.

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WARNINGS AND CAUTIONS

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK & ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS, AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!!

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE △ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONTIONNEMENT SUSPECTE.

SELF-DIAGNOSTIC FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

Diagnostic Test Indicators

When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

Results for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

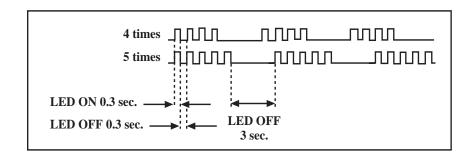
Diagnostic Item Description	No. of Times STANDBY/TIMER LED Flashes	Self-diagnostic Display/ Diagnostic Result	Probable Cause Location	Detected Symptoms	
Power does not turn on	N/A		Power cord is not plugged in. Fuse is burned out. (F601) (A Board) Power cord is not plugged in.	Power does not come on.No power is supplied to the TV.AC power supply is faulty.	
+B overcurrent (OCP)*	overcurrent (OCP)* N/A N/A		H.OUT (Q502) is shorted. (A Board) IC1701 is shorted. (C Board)	Power does not come on.Load on power line is shorted.	
+B overvoltage (OVP)*	N/A	N/A	IC643 or T603 is open. (G Board)	Power does not come on.	
VSTOP*	4 times	4:0 or 4:1	+13V is not supplied. (A Board) IC502 is faulty. (A Board)	Has entered standby state after horizontal raster. Vertical deflection pulse is stopped. Power line is shorted or power supply is stopped.	
IK	5 times	5:0 or 5:1	Video OUT (IC502) is faulty. (A Board) IC1301 is faulty. (MB Board) Screen (G2) is improperly adjusted.**	No raster is generated. CRT cathode current detection reference pulse output is small.	

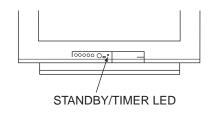
^{*} If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously.

The symptom that is diagnosed first by the microcontroller is displayed on the screen.

^{**} Refer to Screen (G2) Adjustments in Section 3-4 of this manual.

Display of Standby/Timer LED Flash Count





Diagnostic Item	Flash Count*
V-Stop	4 times
IK	5 times

^{*}One flash count is not used for self-diagnostic.

Stopping the Standby/Timer LED Flash

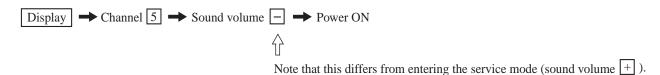
Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER LAMP from flashing.

Self-Diagnostic Screen Display

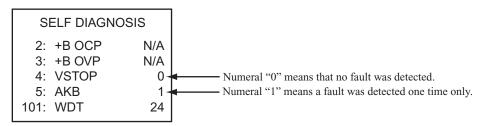
For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

To Bring Up Screen Test

In standby mode, press buttons on the Remote Commander sequentially, in rapid succession, as shown below:



Self-Diagnostic Screen Display



Handling of Self-Diagnostic Screen Display

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

Clearing the Result Display

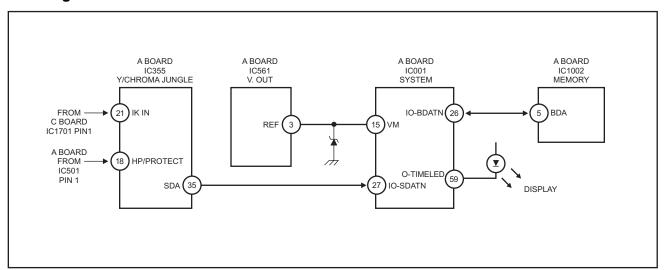
To clear the result display to "0", press buttons on the Remote Commander sequentially when the diagnostic screen is displayed, as shown below:

Channel 8 → ENTER

Quitting the Self-Diagnostic Screen

To quit the entire self-diagnostic screen, turn off the power switch on the Remote Commander or the main unit.

Self-Diagnostic Circuit



+B overcurrent (OCP) Occurs when an overcurrent on the +B (135V) line is detected by pin 18 of IC355 (A Board).

If the voltage of pin 18 of IC355 (A Board) is less than 1V when V.SYNC is more than seven

verticals in a period, the unit will automatically turn off.

+B overvoltage (OVP) Occurs when the feedback circuit from +B opens IC643 or T603 or any other associated

feedback components.

V-Stop Occurs when an absence of the vertical deflection pulse is detected by pin 15 of IC355 (A

Board). Power supply will shut down when waveform interval exceeds 2 seconds.

IK (AKB) If the RGB levels* do not balance within 2 seconds after the power is turned on, this error will

be detected by IC355 (A Board). TV will stay on, but there will be no picture.

*(Refers to the RGB levels of the AKB detection Ref pulse that detects 1K).

NOTE:

Watch Dog Timer Indicates how many times the Watch Dog Timer functions have been activiated. Whenever

micro is reset by the Watch Dog Timer, this number is incremented. Maximum number is 255.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
- 2. Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced.
 Be absolutely certain that you have replaced all the insulators.
- Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cords for cracks and abrasion.
 Recommend the replacement of any such line cord to the customer.
- Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- 8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all batteryoperated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the coverplate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble- light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

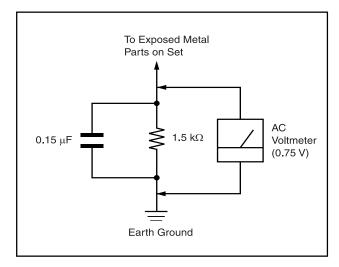


Figure A. Using an AC voltmeter to check AC leakage.

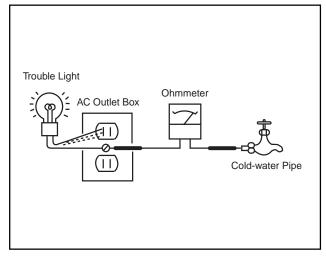


Figure B. Checking for earth ground.

SECTION 1 GENERAL

The instructions mentioned here are partial abstracts from the Operating Instruction Manual.

The page numbers shown reflect those of the Operating Instruction Manual.

Installing the TV

Overview

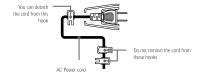
This chapter includes illustrated instructions for setting up your TV:

Topic Page**

Торіс	Page
Connecting a Cable or Antenna	6
Connecting a VCR and Cable	9
Connecting a VCR and Cable Box	10
Connecting Two VCRs for Tape Editing	11
Connecting a Satellite Receiver	12
Connecting a Satellite Receiver with a VCR	13
Connecting an Audio Receiver	14
Connecting a DVD Player with Component Video Connectors	15
Connecting a DVD Player with A/V Connectors	16
Connecting a Camcorder	17
Using the CONTROL S Feature	18
Setting Up the TV Automatically	18

Note About the AC

The AC power cord is attached to the rear of the TV with hooks. Use caution when removing the AC plug from its holder. Gently slide the cord in the upward direction, without removing the cord from the two lower hooks.



Installing the TV

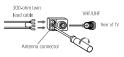
Connecting a Cable or Antenna

Connecting Directly to Cable or an Antenna The connection you choose depends on the cable found in your home. Newer homes are equipped with standard coaxial cable (see); older homes probably have 300-ohm twin lead cable (see); still other homes may contain both (see).

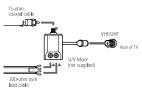




VHF Only or UHF Only or VHF/UHF



VHF and UHF



5

6

Installing the TV

Cable and Antenna

If your cable provider does not feature local channels, you may find this set up convenient.

CATV cable

AUX
Rear of TV

(No connection to TO CONVERTER)
Antenna cable

VAFIJIHE

This connection applies to all models except KV-36FS12.

Select CABLE or antenna (ANT) mode by pressing ANT on the remote

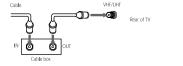
In order to receive channels with an antenna, you need to turn your Cable to OFF and perform the Auto Program function (see page 29).

Cable Box

Some pay cable TV systems use scrambled or encoded signals that require a cable box to view all channels.

Cable Box

- Connect the coaxial connector from your cable service to the cable box's IN jack.
- 2 Using a coaxial cable, connect the cable box's OUT jack to the TV's VHF/UHF jack.



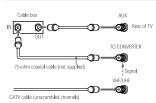
If you will be controlling all channel selection through your cable box, you should consider using the Channel Fix feature (see page 29).

Installing the TV

Cable Box and Cable

For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANI on the remote control.

This connection applies to all models except KV-36FS12.



Your Sony remote control can be programmed to operate your cable box (see "Programming the Remote Control" on page 42).

When using Favorite Channel or PIP, you cannot view the AUX input in the window picture.

Pressing ANT switches between these inputs.

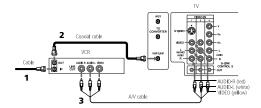
If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the Channel Fix feature (see page 29).

Installing the TV

Connecting a VCR and Cable

- 1 Connect the cable TV cable to the VCR's IN jack.
- 2 Using a coaxial cable, connect the VCR's OUT jack to the TV's VHF/UHF jack.
- ${\bf 3} \quad \mbox{Using an A/V cable, connect the VCR's A/V OUT jacks to the TV's A/V IN jacks.$

If your VCR has an S VIDEO jack: For best picture quality, use an S VIDEO connection instead of the yellow video cable on your combined AV/ cable. Using an S VIDEO cable, connect the VCR'S S VIDEO OUT jack to the TV'S S VIDEO IN jack. S VIDEO does not provide audio, so audio cables must still be connected to provide sound.



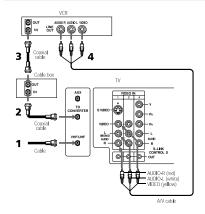
Installing the TV

Connecting a VCR and Cable Box

This connection applies to all models except KV-36FS12.

- Connect your incoming cable connection to the TV's VHF/UHF jack.
- 2 Using a coaxial cable, connect the cable box's IN jack to the TV's TO CONVERTER jack.
- **3** Using a coaxial cable, connect the cable box's OUT jack to the VCR's VHF/UHF IN jack.
- 4 Using an A/V cable, connect the VCR's A/V OUT jacks to the TV's A/V IN jacks.

If your VCR has an S VIDEO jack: for best picture quality, use an S VIDEO connection instead of the yellow video rable on your combined AV cable, Using an S VIDEO cable, connect the VCR-S VIDEO OU Jack, S VIDEO



9

10

Installing the TV

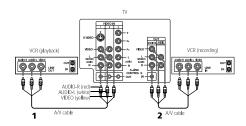
Connecting Two VCRs for Tape Editing

This connection applies to all models except KV-36FS12 and 36FS16.

If you connect two VCRs, you can use the TV's MONITOR OUT feature to perform tape-to-tape editing. In the connection shown below, the TV functions as a monitor and sends the program being played by the playback VCR to the recording VCR.

- ${\bf 1} \quad \hbox{Connect the VCR intended for playback using the connection instructions on page 10 of this manual. }$
- 2 Using A/V connectors, connect AUDIO and VIDEO IN on the VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

You cannot record signals from equipment connected to the Y, PB, PR input.



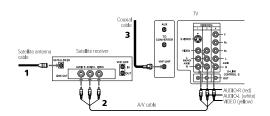
To perform tape editing, set the TV to the video input intended for playback by pressing the TV/VIDEO button on the remote control.

Installing the TV

Connecting a Satellite Receiver

- 1 Connect the satellite antenna cable to the satellite receiver's SATELLITE IN jack.
- 2 Using an A/V cable, connect the satellite receiver's A/V OUT jacks to the TV's A/V IN jacks.
- 3 Connect a coaxial cable from your cable or antenna to TV's VHF/UHF jack.

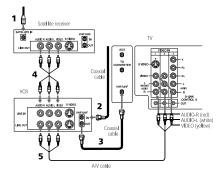
If your satellite receiver has an S VIDEO jack: For best picture quality, use an S VIDEO connection instead of the yellow video cable on your combined A/V cable, Using an S VIDEO cable, connect the satellite receiver's VIDEO OUT jack to the TV*s S VIDEO IN jack. S VIDEO does not provide audio, so audio cables must still be connected to provide sound.



Installing the TV

Connecting a Satellite Receiver with a VCR

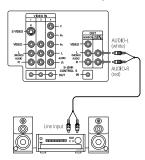
- 1 Connect the satellite antenna cable to the satellite receiver's SATELLITE IN jack.
- 2 Connect the CATV cable to the VCR's VHF/UHF IN jack.
- 3 Using a coaxial cable, connect the VCR's OUT jack to the TV's VHF/UHF jack.
- $\begin{tabular}{ll} \bf 4 & Using an A/V cable, connect the satellite receiver's A/V OUT jacks to the VCR's A/V IN jacks. \end{tabular}$
- 5 Using an A/V cable, connect the VCR's A/V OUT jacks to the TV's A/V IN jacks.



Installing the TV

Connecting an Audio Receiver

1 Using audio cables, connect the TV's AUDIO OUT jacks to the audio receiver's audio LINE IN jacks.



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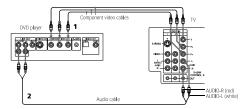
Installing the TV

Connecting a DVD Player with Component Video Connectors

Using three separate component video cables, connect the DVD player's Y, PB, and PR jacks to the Y, PB, and PR jacks on the TV.

The Y, Pa, and Pa jacks on your DVD player are sometimes labeled Y, Ca, and Ca, or Y, B-Y, and R-Y, If so, connect the cables to like colors, The Y, Pa, and Pa jacks do not provide audio, so audio cables must be connected to exceeds example.

2 Using an audio cable, connect the DVD player's audio OUT jacks to the TV's audio IN jacks.

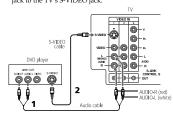


Installing the TV

Connecting a DVD Player with A/V Connectors

If your DVD player has video component output connectors: for best picture quality use the connection described on page 15.

- 1 Using audio cables, connect the DVD player's audio OUT jacks to the TV's audio IN jacks.
- 2 Using an S-VIDEO cable, connect the DVD player's S-VIDEO jack to the TV's S-VIDEO jack.



Installing the TV

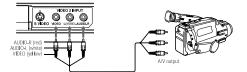
Connecting a Camcorder

 Using A/V cables, connect the camcorder's A/V OUT jacks to the TV's A/V IN jacks.

If you have a mono camcorder, connect its left audio output to the TV's AUDIO L jack.

For easy connection of the camcorder, the TV has front A/V inputs (shown below),

However, if you prefer, you can also connect the camcorder to the TV's rear A/V IN jacks,



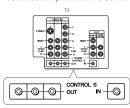
Installing the TV

Using the CONTROL S Feature

This CONTROL S feature applies to all models except KV-36FS12 and 36FS16.

CONTROL S allows you to control your TV system and other Sony equipment with one remote control.

To control your other Sony equipment with your TV's remote control, use a CONTROL S cable (not supplied) to connect the equipment's CONTROL S IN jack to the TV's CONTROL S OUT jack.



Setting Up the TV Automatically

After you finish connecting your TV, you need to run Auto Setup to set up your channels.

The Auto Setup feature does not apply for installations that use a cable box for all channel selection.

Using Auto Setup

- Press POWER to turn on the TV.
- The first time you turn on the TV, the Auto Setup screen appears.
- 2 Press CH+ to run Auto Setup or press CH- to exit.

You can run Auto Program again by selecting it in the Channel menu, as described on page 29.

To reset your TV to factory settings, turn the TV on. Then, while pressing the RESET button on the remote control, press the POWER button on the TV. The TV will turn itself off, then back on.

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Other Information

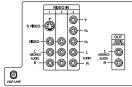
TV Controls and Connectors

Front Panel Menu

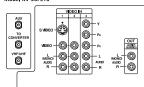
The front panel menu controls allow access to the on-screen menus without the use of a remote control. Pressing the MFNU button brings up the on-screen menus. The arrow buttons () move the on-screen cursor in the menus and the (+) button selects the menu item.

TV Rear Panel

Model KV-36FS12



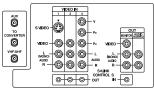
Model KV-36FS16



Other Information

Models KV-32FV16, 32FV26, 36FV16 and 36FV26

Back Panel Descriptions
Connection Description



(except KV-36FS12)	Allows you to view local (terrestrial) and cable channels if your cable provider does not feature local channels. You can switch between local and cable channels easily by pressing ANT on the remote control.
TO CONVERTER (except KV-36FS12)	Lets you set up your TV to switch between scrambled channels (through a cable box), and normal cable channels (CATV).
VHF/UHF	Connects to your VHF/UHF antenna or cable.
S VIDEO	Connects to the S VIDEO OUT jack of your VCR or other S VIDEO equipped video component.
MONITOR OUT (except models KV-36FS12 and 36FS16)	Lets you record the program you're watching to a VCR. When two VCRs are connected, (see page 11), you can use your TV as a monitor for tape to tape editing.
AUDIO (L/R)/VIDEO	Connects to the audio and video OUT jacks on your VCR or other video component. A third video input (VIDEO 2) is located on the front panel of the TV.

L (MONO)/R or video component.

S-LINK Allows the TV to receive (IN) and send (OUT) remote CONTROL-S IN/OUT (except models KV-36FS12 and 36FS16)

AUDIO OUT (VAR/FIX) Connects to the right and left audio inputs of your audio

Y, PB, PR, L, R

Connects to your DVD player's component video (Y, PB, PR) and audio (L, R) jacks.

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Other Information

Troubleshooting

Problem	Possible Remedies
No picture (screen not lit), no sound	If your TV does not turn on, and a red light keeps flashing, your TV may need service. Call your local Sony Service Center.
	Make sure the power cord is plugged in.
	Push the power button on the front of the TV.
	Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching connected equipment, set to VIDEO 1, 2, 3, or 4. Try another channel. It could be station trouble.
Remote control	Batteries could be weak. Replace the batteries.
does not operate	Press TV (FUNCTION) when operating your TV.
•	Make sure the TV's power cord is connected securely to the wall outlet.
	Locate the TV at least 3-4 feet away from fluorescent lights.
	Check the orientation of the batteries.
Dark, poor or no	Adjust the Picture setting in the Video menu (see page 26).
picture (screen lit),	Adjust the Brightness setting in the Video menu (see page 26).
good sound	Check antenna/cable connections.
Good picture,	Press MUTING so that "MUTING" disappears from the screen (see page 40).
no sound	Make sure Speaker is set to ON in the Audio menu (see page 27).
Cannot receive upper	Change Cable to OFF (see page 29).
channels (UHF) when using	Use Auto Program in the Channel menu to add receivable channels that are
an antenna	not presently in TV memory (see page 29).
No color	Adjust the Color settings in the Video menu (see page 26).
Only snow and noise appear	Check the antenna/cable connections.
on the screen	Make sure the channel is broadcasting programs.
	Press ANT to change the input mode (see page 40).
Dotted lines	Adjust the antenna.
or stripes	Move the TV away from noise sources such as cars, neon signs, or hair-
	dryers.
TV is fixed to one channel	Use Auto Program in the Channel menu to add receivable channels that are not presently in TV memory (see page 29).
	Check your Channel Fix settings (see page 29).
Double images or ghosts	Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings).
Cannot operate menu	If the item you want to choose appears in gray, you cannot select it.
Cannot receive any channels	
when using cable TV	not presently in TV memory (see page 29).
	Check your cable settings.
	Make sure Cable is set to ON in the Channel menu (see page 29).

Other Information

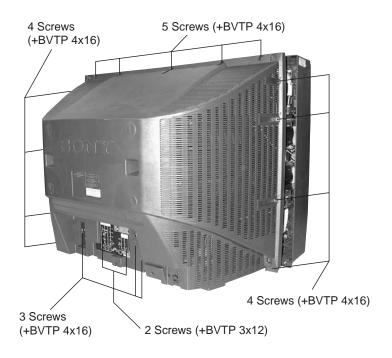
Problem	Possible Remedies
Cannot gain enough volume when using a cable box	Increase the volume of the cable box using the cable box's remote control. Then press TV (FUNCTION) and adjust the TV's volume.
Cannot receive channels	Use Auto Program in the Channel menu to add receivable TV channels that are not presently in TV memory (see page 29).
Unable to select a channel	Use Auto Program in the Channel menu to add receivable TV channels that are not presently in TV memory (see page 29).
Lost password	In the password screen (see page 30), enter the following master password 4357. The master password clears your previous password; it cannot be used to temporarily unblock channels.

If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our Direct Response Center at 1-800-222-SONY (7669) (U.S. residents only) or (416) 499-SONY (7669) (Canadian residents only).

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SECTION 2 DISASSEMBLY

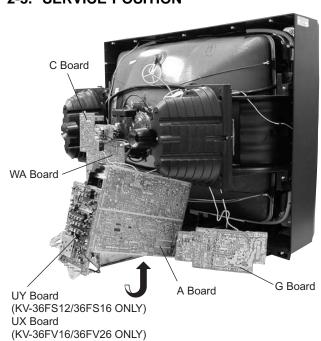
2-1. REAR COVER REMOVAL



2-2. CHASSIS ASSEMBLY REMOVAL



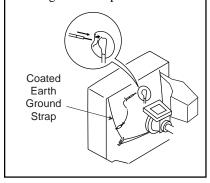
2-3. SERVICE POSITION

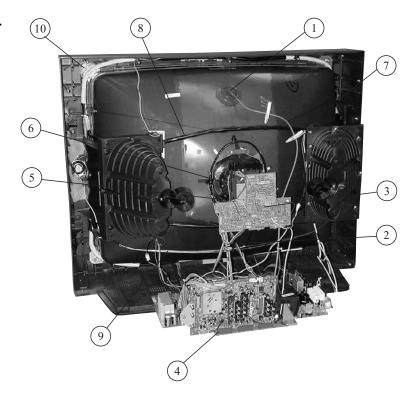


2-4. PICTURE TUBE REMOVAL

WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT *before* attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.





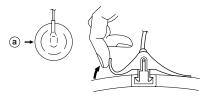
- 1. Discharge the anode of the CRT and remove the anode cap.
- 2. Unplug all interconnecting leads from the deflection yoke, neck assembly, degaussing coils and CRT grounding strap.
- 3. Remove the C Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the neck assembly fixing screw and remove.
- 6. Loosen the deflection yoke fixing screw and remove.
- Place the set with the CRT face down on a cushion and remove the degaussing coil holders.
- 8. Remove the degaussing coils.
- 9. Remove the CRT grounding strap and spring tension devices.
- 10. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT [Take care not to handle the CRT by the neck].

ANODE CAP REMOVAL

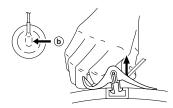
WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electrical shock, discharge the CRT **before** attempting to remove the anode cap. Short between anode and coated earth ground strap of CRT.

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield, or carbon painted on the CRT.

REMOVAL PROCEDURES



1 Turn up one side of the rubber cap in the direction indicated by arrow (a).



② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ⑥.

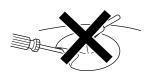


③ When one side of the rubber cap separates from the anode button, the anode cap can be removed by turning the rubber cap and pulling it in the direction of arrow ②.

HOW TO HANDLE AN ANODE CAP

- ① Do not use sharp objects which may cause damage to the surface of the anode cap.
- ② To avoid damaging the anode cap, do not squeeze the rubber covering too hard. A material fitting called a shatter-hook terminal is built into the rubber.
- ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.





SECTION 3 SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted:

PICTURE controlnormal

BRIGHTNESS controlnormal

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. Screen (G2)/White Balance

Note: Test Equipment Required:

- 1. Color Bar Pattern Generator
- 2. Degausser
- 3. DC Power Supply
- 4. Digital Multimeter
- 5. Oscilloscope
- 6. CRT Analyzer

3-1. BEAM LANDING

Preparation:

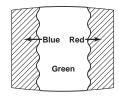
- Input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.

NOTE: Do not use the hand degausser because it magnetizes the CRT.

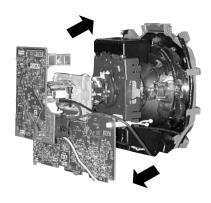
- 1. Input white pattern from pattern generator.
- Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



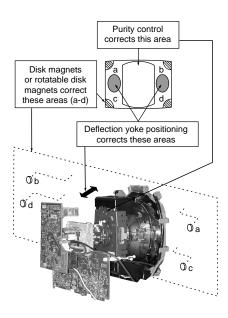
- 3. Input green pattern from pattern generator.
- Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are even on both sides.



5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.



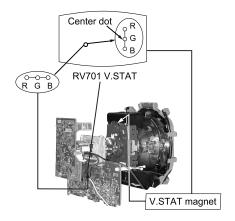
- Switch over the raster signal to red and blue and confirm the condition.
- 7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
- When landing at the corner is not right, adjust by using the disk magnets.



3-2. CONVERGENCE

Preparation:

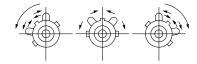
- · Perform FOCUS, V. LIN and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- · Input dot pattern.



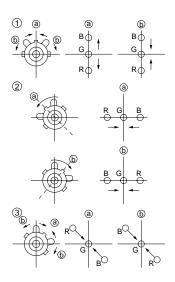
Vertical and Horizontal Static Convergence

1. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen (Vertical movement).

Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



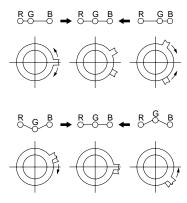
2. When the V. STAT magnet is moved in the direction of arrow a and b, red, green, and blue dots move as shown below:



Operation of BMC (Hexapole) Magnet

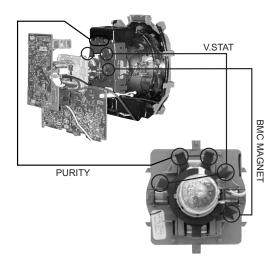
The respective dot positions resulting from moving each magnet interact, so perform adjustment while tracking.

1 Use the V.STAT tabs to adjust the red, green, and blue dots so they line up at the center of the screen (move the dots in a horizontal direction).



Y Separation Axis Correction Magnet Adjustment

- Input cross-hatch pattern, adjust PICTURE to minimum and BRIGHTNESS to normal.
- 2. Adjust the deflection yoke upright so it touches the CRT.
- 3. Adjust so that the Y separation axis correction magnet on the neck assembly is symmetrical from top to bottom (open state).

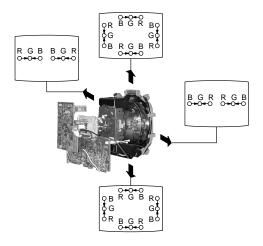


4. Return the deflection yoke to its original position.

Dynamic Convergence Adjustment

Before starting, perform Vertical and Horizontal Static Convergence Adjustment.

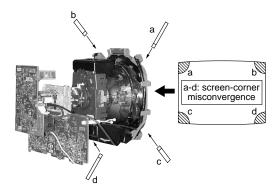
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- 3. Move the deflection yoke for best convergence as shown below:



- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.

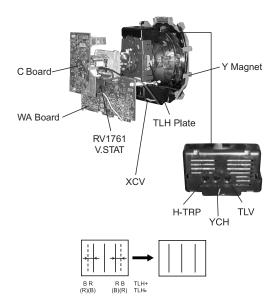
Screen-corner Convergence

 Affix a permalloy assembly corresponding to the misconverged areas:



TLH Plate Adjustment

- · Input crosshatch pattern.
- Adjust PICTURE QUALITY to standard, PICTURE and BRIGHTNESS to 50%, and OTHER to standard.
- Adjust the Horizontal Convergence of red and blue dots by tilting the TLH plate on the deflection yoke.



- 1. Adjust XCV core to balance X axis.
- 2. Adjust YCH VR to balance Y axis.
- Adjust vertical red and blue convergence with V.TILT (TLV VR.)

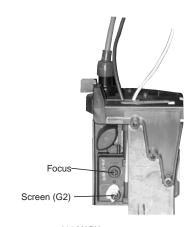
Perform adjustments while tracking items 1 and 2.

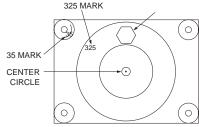
- 4. Adjust Y MAGNET to correct V.BOW Geometery Distortion.
- Adjust H-TRP to correct H.Trapezoid Geometry Distortion.

After adjusting items 4 and 5, confirm overall geometry again.

3-3. FOCUS

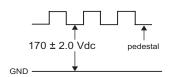
- 1. Input monoscope signal.
- 2. Set user controls to normal.
- 3. Set video mode to STANDARD.
- 4. Set the PICTURE to maximum.
- 5. Adjust at 325 Mark for best center/corner focus balance.
- Receive an entire white signal. Make sure Magenta Ring is at an acceptable level.





3-4. SCREEN (G2)

- 1. Input dot pattern from the pattern generator.
- 2. Set the user controls to NORMAL.
- 3. Attach the G2-Jig to the C Board.
- 5. Adjust RCUT, GCUT, BCUT, and SBRT in service mode with an oscilloscope so that voltages on the red, green, and blue cathodes are $170 \pm 2.0 \text{Vdc}$.
- 5. Observe the screen and adjust SCREEN (G2) VR to obtain the faintly visible background of dot signal.
- 6. Push the TEST + JUMP (+ Channel) to cut off the signal. The screen should be bright or dark. Brightness of raster must be increased when adjusting.
- 7. Adjust screen VR until the screen is slightly cut off, or scarcely lights up. A signal cannot be seen when the brightness of the raster is high.
- 8. Push the JUMP again to release the cut off.



3-5. WHITE BALANCE ADJUSTMENTS

NO.	Disp.	Item	All Models
24	RDRV	Red Drive	*
25	GDRV	Green Drive	46
26	BDRV	Blue Drive	37
27	RCUT	Red Cut-off	14:Fix
28	GCUT	Green Cut-off	10
29	BCUT	Blue Cut-off	8
38	SBRT	Sub Bright	8

- 1. Set program palette to STANDARD and pust RESET.
- 2. Input an entire white signal.
- 3. Set to Service Adjustment Mode.
- 4. Set the PICTURE and BRIGHT to minimum.
- 5. Adjust with SBRT if necessary.
- 6. Set RCUT to "14".
- 7. Select GCUT and BCUT with 1 and 4.
- 8. Adjust with 3 and 6 for the best white balance.
- 9. Set the PICTURE and BRIGHT to maximum.
- 10. Select GDRV and BDRV with 1 and 4.
- 11. Adjust with 3 and 6 for the best white balance.
- 12. Write into the memory by pressing $\boxed{\text{MUTING}}$ then $\boxed{\text{ENTER}}$.
- 13. Repeat steps 1-12 for GDR4, BDR4, GCU4 and BCU4 using Video 4 input.
 - * Use values from Sub Contrast Adjustments

NOTE:

White balance should be adjusted after Sub Contrast because RDRV is also used in Sub Contrast Adjustment. (See page 27).

SECTION 4 SAFETY RELATED ADJUSTMENTS

4-1. № R530, R531 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

Always perform the following adjustments when replacing the following components marked with a \square mark on the schematic diagram:

Part Replaced (✓)	Adjustment (►)
R387, R550, R529, R530, R531, R532, R533, D519, D520, D521, IC501, C531, C532, T503, IC351, IC355, Q301, R356, R359, R361, D302	HV HOLD-DOWN R530, R531

Preparation before Confirmation

- 1. Using a Variac, apply AC input voltage: 130+2.0/-0.0 VAC.
- 2. Turn the POWER switch ON.
- 3. Input a white signal and set the PICTURE and BRIGHT controls to maximum.
- Confirm that the voltage of more than 23.0 VDC appears between TP85 and ground on the A Board.

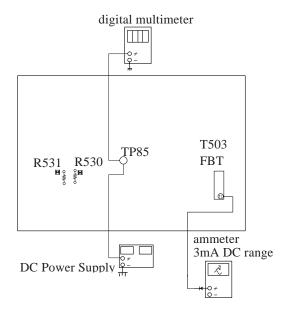
Hold-Down Operation Confirmation

- 1. Connect the current meter between Pin 11 of the FBT (T503) and the PWB land where Pin 11 would normally attach (See Figure 1 above).
- 2. Input a dot signal and set PICTURE and BRIGHTNESS to minimum: IABL = $2175 + 100/-325 \mu A$.
- 3. Confirm the voltage of A Board TP91 is 135 ± 1.5 VDC.
- 4. Connect the digital voltmeter and the DC power supply to TP85 and ground. (See Figure 1 above).
- Increase the DC power voltage gradually until the picture blanks out.
- 6. Turn DC power source off immediately.
- 7. Read the digital voltmeter indication (standard = 27.24 + 0.0/ 0.1 VDC).
- 8. Input a white signal and set PICTURE and BRIGHTNESS to maximum: IABL = 2175 + 100/ -325 μA .
- 9. Repeat steps 4 to 7.

Hold-Down Readjustment

If the setting indicated in Step 2 of Hold-Down Operation Confirmation cannot be met, readjustment should be performed by altering the resistance value of R530, R531 component marked with \blacksquare .

Figure 1



4-2. B+ VOLTAGE CONFIRMATION AND ADJUSTMENT

Note: The following adjustments should always be performed when replacing the following components, which are marked with \square on the schematic diagram on the G Board.

G BOARD: IC643, R661

- 1. Using a Variac, apply AC input voltage: 130 + 2.0/-0.0 VAC
- 2. Input a monoscope signal.
- 3. Set the PICTURE control and the BRIGHT control to initial reset value.
- 4. Confirm the voltage of G Board CN641 between pin ① to ground is less than 136.5 VDC.
- 5. If step 4 is not satisfied, replace the R661and repeat the above steps.

SECTION 5 CIRCUIT ADJUSTMENTS

ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

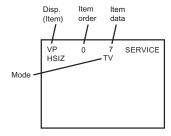
Use the Remote Commander (RM-Y168, RM-Y169, RM-Y170, RM-Y171) to perform the circuit adjustments in this section. NOTE: Test Equipment Required:

- Pattern generator
- · Frequency counter
- · Digital multimeter
- · Audio oscillator

5-1. SETTING THE SERVICE ADJUSTMENT MODE

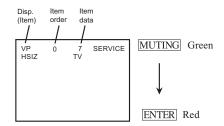
- 1. Standby mode (Power off).
- Press Display → Channel 5 → Sound volume + → Power on the Remote Commander (Press each button within a second).

Service Adjustment Mode In

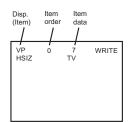


- 3. The CRT displays the item being adjusted.
- 4. Press 1 or 4 on the Remote Commander to select the item.
- 5. Press 3 or 6 on the Remote Commander to change the data.
- 6. Press MUTING then ENTER to write into memory.

Service Adjustment Mode Memory



7. Press 8 then ENTER on the Remote Commander to initialize.



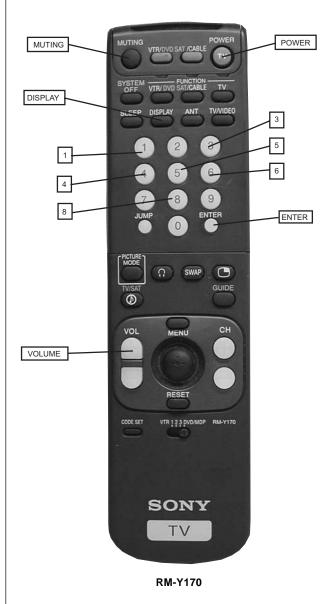
Carry out step 7 when adjusting IDs 0 to 7 and when replacing and adjusting IC002.

8. DO NOT turn off set until SERVICE appears.

5-2. MEMORY WRITE CONFIRMATION METHOD

- 1. After adjustment, pull out the plug from the AC outlet, then replace the plug in the AC outlet again.
- 2. Turn the power switch ON and set to Service Mode.
- 3. Call the adjusted items again to confirm they were adjusted.

5-3. ADJUST BUTTONS AND INDICATOR



KV-36FS12/36FS16/36FV16/36FV26

5-4. ADJUSTMENT ITEMS

	Register		Description	Data	Adj/Fix	Initial	36" Average Data	Comments
	Name		•	Range	-	Data	FS FV16 FV26	1
0	HPOS		H-Position	0-63	Adj	7	9	0: 2ms delay, 63: 2ms advance
1	HSIZ		H-Size	0-63	Adj	10	15	EW DC bias, 0: -0.5V, 31: 0V, 63: +0.5V
2	VBOW		AFC Bow	0-15	Adj	6	7	0: top/bottom delay 900ns, 7: center, 15: top/bottom advance 900ns
3	VANG		AFC Angle	0-15	Adj	5	5	0: top delay/bottom advance 650ns, 7: center, 15: top advance/bottom delay 650ns
4	TRAP		Trapezium Adjustment	0-15	Adj	6	8	0: 1.5ms advance, 15: 1.5ms delay
5	PAMP		Pin Compensation	0-63	Adj	32	30	0: 0.15Vpp, 31: 0.7Vpp, 63: 1.3Vpp
6	UCPN		Upper Corner Pin	0-63	Adj	36	35	0: -0.4V, 63: +0.4V
7	LCPN		Lower Corner Pin	0-63	Adj	36	35	0: -0.4V, 63: +0.4V
8	VSIZ		V-Size	0-63	Adj	0	7	0: -15%, 31: 0%, 63: +15%
9	VPOS		V-Position	0-63	Adj	31	39	0: -0.1V, 31: 0V, 63: +0.1V
10	VLIN		V-Linearity	0-15	Adj	7	6	0: 85% top enlarged, 7: 100% top normal, 15: 115% top compressed
11	VSCO		S-Correction	0-15	Adj	7	9	0: 0V added to VD, 15: 100mVpp added to VD
12	VZOM		16:9 CRT Zoom Mode On/Off	0,1	FIX	0	0	0: Zoom Off, 1: Zoom On (top/bottom cut by 25% when ASPECT=31, RGB blanked in this interval)
13	EHT		Vertical Size High Voltage Correction	0-15	FIX	4	4	0: Picture adjusted 0%, 15: Picture Adjusted -5%
14	ASP		Aspect Ration Control 4:3 Mode	0-63	FIX	47	47	0: 75%(16x9 CRT Full), 31: 100%(4x3 CRT Full), 63: 110%
15	ASP1		Aspect Ration Control 16:9 Mode	0-63	FIX	47	47	0: 75%(16x9 CRT Full), 31: 100%(4x3 CRT Full), 63: 110%
16	SCRL		16:9 Vertical Scroll During Zoom	0-63	FIX	31	31	0: Scrolled toward top 32H, 63: Scrolled toward bottom 32H
17	HBSW		H Blanking Switch	0,1	FIX	1	1	0: OFF, 1: ON
18	LBLK		Left Blanking	0-15	FIX	15	15	0: +1.2ms, 7: Center, 15: -1.2ms
19	RBLK		Right Blanking	0-15	FIX	0	0	0: +1.2ms, 7: Center, 15: -1.2ms
20	HDW	Sı	H Drive Pulse Width	0,1	FIX	1	1	0: Normal Mode (25ms), 1: Narrow Pulse Width
21	EWDC	41	EW/DC Display 4x3 on 16x9 CRT	0,1	FIX	0	0	0: OFF, 1: ON
22	LVLN	VP CXA2131AS	Picture Bottom Lin Adjust	0-15	Adj	0	0	0: 100%, 15: 85% Picture top compressed
23	UVLN	7	Picture Top Lin Adjust	0-15	Adj	0	0	0: 100%, 15: 85% Picture bottom compressed
24	RDRV	A	Red Drive	0-63	Adj	31	54	0: 1.5Vpp, 63: 3.0Vpp Red Signal Output
25	GDRV	×	Green Drive	0-63	Adj	31	46	0: 1.5Vpp, 63: 3.0Vpp Greem Signal Output
26	BDRV		Blue Drive	0-63	Adj	31	37	0: 1.5Vpp, 63: 3.0Vpp Blue Signal Output
27	RCUT		Red Cutoff	0-15	FIX	7	14	0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
28	GCUT		Green Cutoff	0-15	Adj	7	10	0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
29	BCUT		Blue Cutoff	0-15	Adj	7	8	0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
30	RDR4		Video 4 Red Drive	0-63	Adj	31	44	0: 1.5Vpp, 63: 3.0Vpp Red Signal Output
31	GDR4		Video 4 Green Drive	0-63	Adj	31	36	0: 1.5Vpp, 63: 3.0Vpp Greem Signal Output
32	BDR4		Video 4 Blue Drive	0-63	Adj	31	29	0: 1.5Vpp, 63: 3.0Vpp Blue Signal Output
33	RCU4		Video 4 Red Cutoff	0-15	FIX	7	14	0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
34	GCU4		Video 4 Green Cutoff	0-15	Adj	7	14	0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
35	BCU4		Video 4 Blue Cutoff	0-15	Adj	7	10	0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
36	SBRT		Sub Brightness	0-31	Adj	15	8	Sub Brightness
37	RON		Red Off	0,1	FIX	1	1	0:OFF, 1:ON
38	GON		Green Off	0,1	FIX	1	1	0:OFF, 1:ON
39	BON		Blue Off	0,1	FIX	1	1	0:OFF, 1:ON
40	AXPL		Axis PAL	0,1	FIX	0	0	0: Normal Axis, 1: Forced PAL Asix
41	CBPF		Chroma BPF On/Off	0,1	FIX	1	1	0: BPF OFF, 1: BPF ON
42	COFF		Color On/Off	0,1	FIX	0	0	0: Chroma OFF, 1: Chroma ON
43	TSSP		Sub Sharpness for TV Input	0-15	Fix by model	6	5 6	0=-12dB, 7=+3.5dB, 15=+9dB
44	TSPF		Sharpness fo for TV Input	0,1	FIX	1 7	1 -	0=2.5MHZ, 1=3.0MHz
45	VSSP		Sub Sharpness for Video Input	0-15	Fix by model	7	6 7	0=-12dB, 7=+3.5dB, 15=+9dB
46	VSPF		Sharpness fo for Video Input	0,1	FIX	1	1	0=2.5MHZ, 1=3.0MHz
47	YSSP		Sub Sharpness for YUV Input	0-15	Fix by model	7	6 7	0=-12dB, 7=+3.5dB, 15=+9dB

ADJUSTMENT ITEMS (cont.)

	Register		Description	Data	Adj/Fix	Initial	36" Averag	ge Data	Comments
	Name		2000.	Range		Data	FS FV16	FV26	–
48	YSPF		Sharpness fo for YUV Input	0,1	FIX	1	1		0=2.5MHZ, 1=3.0MHz
49	AXNT		Axis NTSC	0,1	FIX	0	0		0: Japan Axis, 1: US Axis
50	PREL		Pre/Overshoot Ratio	0,1	FIX	1	1		0: 1:1, 1: 2:1
51	DCT		DC Transmission Ratio	0,1	FIX	1	1		0:100%, 1:85%
52	ABLM		ABL Mode	0,1	FIX	1	1		0:Picture ABL, 1:Picture/Brightness ABL
53	FSC	တွ	FSC Output On/Off	0,1	FIX	1	1		0: FSC output OFF, 1: FSC output ON
54	HOSC	VP CXA2131A	H VCO Frequency Adjustment	0-15	FIX	7	12		0: Low, 15: High (40 Hz Steps)
55	VSS	₽ %	Vsync Slice Level	0,1	FIX	0	1		0: 1/3 from sync tip, 1: 1/4 from sync tip
56	HSS	VP	Hsync Slice Level	0,1	FIX	0	1		0: 1/3 from sync tip, 1: 1/4 from sync tip
57	HMSK	→	Macrovision Countermeasure	0,1	FIX	1	1		0: Off, 1: ON
58	VTMS	×	Select Signal VTIM Pin	0-3	FIX	0	0		0: V retrace timing, 1: Hsync signal, 2: Vsync signal, 3: don't use
59	AFC	၁	AFC	0-3	FIX	0	0		0: High Gain, 1: Medium Gain, 2: don't use, 3: Extremely low gain
60	REFP		REFP	0,1	FIX	0	0		0: R=20H/G=21H/B=22H, 1: R=23H/G=24H/B=25H
61	VBSW		VBLK Width Control	0-3	FIX	0	0		0: 9H from B, 1: 10H from B, 2: 11H from B, 3:12H from B (When JUMP SW=1)
62	BKOF		ABL Signal Detection Level	0,1	FIX	0	0		0: VTH=3V, 1: VTH=1V
63	AGN2		Aging Mode 2 - Black Output Mode	0,1	FIX	0	0		0: Black Output Mode OFF, 1: Black Output Mode ON
0	SREF		Surround Effect	0-15	FIX	7	7		0: Min, 15: Max (8-15 LOOP=1)
1	BBLP		BBE Low PAss	0-15	FIX	5	5		0: 0.5dB, 15: 10dB
2	BBHP	АР внзв68	BBE High Pass	0-15	FIX	3	3		0: 0.5dB, 15: 10dB
3	SVOL	38	Sub Volume	0-15	FIX	7	7		0:-0 volume steps, 15:-15 volume steps
4	SBAL	₹	Sub Balance	0-15	FIX	7	7		0: +Right, 15:+Left
5	SBAS	· m	Sub Bass	0-15	Fix by model	5	7 8	5	0:-7 steps, 15: +8 steps
6	STRE		Sub Treble	0-15	Fix by model	3	10 8	3	0:-7 steps, 15: +8 steps
0	SPCA	SRS	SRS Space Attenuation	0-63	FIX	0	0		0: 0dB, 63: -31db (1dB steps)
1	CENA	SKS	SRS Center Attenuation	0-63	FIX	0	0		0: 0dB, 63: -31db (1dB steps)
2	INPA	TDA7464	Input Attenuation	0-127	FIX	3	3		0: 0dB, 127: -31.5dB (0.5dB steps)
0	COUT		Chroma Signal Gain / BPF	0-3	FIX	3	3		Input/Output gain=1 / BPF ON
1	YAPS		Y V-Compensation/Peaking	0-3	FIX	3	3		Correctin enabled for digital/analog inputs
2	NSDS		Standard/Non-Standard Processing	0-3	FIX	0	0		Standard adaptive processing
3	MSS		Inter-frame/Inter-line Mode	0-3	FIX	0	0		Adaptive Processing
4	EXAD		External ADC Insert	0,1	FIX	0	0		Internal Y-ADC
5	PECS		Pedestal Error Correction	0-3	FIX	0	0		Standard
6	EXCS		C sync Input	0-3	FIX	1	1		Use CSI
7	CPP		Y ADC Amplitude/Clamp Method	0-3	FIX	0	0		Y-ADC & C-ADC Vtb=1.25V
8	HDP	m	H Phase Fine Adjustment	0-7	FIX	3	3		Phase +/- 0msec
9	CDL	COMB D64082	C Output Delay Fine Adjustment	0-7	FIX	5	5		Y/C Delay +/- 0msec
10	DYCO		Y Moving Coring Level	0-15	FIX	2	2		0: Close to moving pictures, 15: Close to still pictures
11	DYGA	O 4	Y Moving Coring Gain	0-15	FIX	10	10		0: Close to still Pictures, 15: Close to moving Pictures
12	DCCO	C Č	C Moving Coring Level	0-15	FIX	2	2		0: Close to moving pictures, 15: Close to still pictures
13	DCGA		C Moving Coring Gain	0-15	FIX	9	9		0: Close to still Pictures, 15: Close to moving Pictures
14	YNRK	3D uF	YNR Non-linear Filter Gain	0,1	FIX	1	1		x7/8 large noise reduction and large after image
15	YNRI	\ · •	YNR Non-linear Filter Convergence	0,1	FIX	0	0		6LSB small noise reduction and small after image
16	YNRL		YNR Non-linear Filter Limit Level	0-3	FIX	1	1		0: YNR Off , 3: 3LSB large noise reduction
17	CNRK		CNR Non-linear Filter Gain	0,1	FIX	1	1		x7/8 large noise reduction and large after image
18	CNRI		CNR Non-linear Filter Convergence	0,1	FIX	0	0		6LSB small noise reduction and small after image
19	CNRL		CNR Non-linear Filter Limit Level	0-3	FIX	1	1		0: CNR OFF , 3: 3LSB large noise reduction
20	ID10		ID-1 Superimpose Signal	0,1	FIX	0	0		Through, no superimposition
21	ID1W		Specifies bit A1 of Word 0	0,1	FIX	0	0		0: 4x3, 1: 16x9
22	ID1N		Spedifies bit A2 of Word 0	0,1	FIX	0	0		0: normal, 1:letterbox
23	CLK		CLK8 Pin Output	0,1	FIX	1	1		0: Output 8fsc, 1: Output OFF

Name	- 1	Register		Description	Data	Adj/Fix	Initial	36" Aver	age Data	Comments
Note Detection Coring O-3 FIX 1 1 1.158 coring to noise consection circuit		_							_	
17 17 18 18 19 19 19 19 19 19	24	ST0S		Select ST0 Pin Output Signal	0-3	FIX	1	1		External Y-ADC clamp pulse
22 U.S.R.	25	WSC		Noise Detection Coring	0-3	FIX	1	1		1LSB coring for noise detection circuit
Frame Syne Non-Sid Descelors Sensativity 0.3 FIX 2 2 1.00 sensativity (1.5 color plates)	26	VTRH		H-sync Non-Standard Detection Hysteresis	0-3	FIX	1	1	l	Low hysteresis (2 clock pulses)
Internal ADC Input Range 0.1 FIX 0 0 Same Input range on Y-ADC and C-ADC	27	VTRR		H-sync Non-Standard Detection Sensitivity	0-3	FIX	1	1	l	Medium sensativity (+/- 8 clock pulses)
VAPG STATE VAPG Vertical Aperture Compensation Gain 0-7	28	LDSR		Frame Sync Non-Std Detection Sensativity	0-3	FIX	2	2 L		Low sensativity (1.5 clock pulses)
VAPI 2	29	PWRE		Internal ADC Input Range	0,1	FIX	0	()	Same input range on Y-ADC and C-ADC
Test Fish Test	30	VAPG		Vertical Aperture Compensation Gain	0-7	FIX	4	4	1	0: Correction OFF, 7: Max Correction
VPFT VPexing Filter Center Frequency 0-3 FIX 3 3 4.22 Mez	31	VAPI		Vertical Aperture Comp Convergence	0-31	FIX	12	1	2	0: Correction OFF, 31: Max Correction
13 YPEG 35 VIPE 7 Peaking Filter Claim 0.15 Filx 7 2 2 Medium suppression	32	TEST		Test Bit	0,1	FIX	0	()	Normal Mode
No. Standard Detection Test Bit O.1 Fix O. O. Normal Mode	33	YPFT		Y Peaking Filter Center Frequency	0-3	FIX	3	\$	3	4.22 MHz
Verical Dot Supression Level 0-3 FIX 2 2 Medium supression	34	YPFG		Y Peaking Filter Gain	0-15	FIX	7	•	5	0: -1 gain, 15: 0.875 gain
Care	35	V1PS		Horizontal Dot Supression Level	0-3	FIX	2	2	2	Medium suppression
Color State Stat	36	VEGS		Vertical Dot Supression Level	0-3	FIX	2		2	Medium supression
Y-ADC Clamp Test Bit O,1	37	CC3N		Line Comb C Separation Filter	0,1	FIX	0	()	Narrow bandwidth
SELZ	38	C0HS		C Signal Delay Time at NR	0,1	FIX	0)	1H Delay
SELZ	39	CLPH	1	Y-ADC Clamp Test Bit	0,1	FIX	0)	Normal Mode
Y High Freq Coring 0-3 Fix 1 0 Small Amount of coring (+	40	SEL2		DC Detection High Freq Sensativity	0,1	FIX	0	()	Low sensativity, Close to still pictures
Non Standard Detection Test Bits 0,1 FIX 0 0 Normal Mode	41	SEL1		DY detection Low Freq Sensativity	0,1	FIX	0)	Low sensativity, Close to still pictures
Non Standard Detection Test Bits 0,1 FIX 0 0 Normal Mode	42	YHCO		Y High Freq Coring	0-3	FIX	1	()	Small Amount of coring (+/- 1LSB)
Non Standard Detection Test Bits 0,1 FIX 0 0 Normal Mode	43	YHCG	 	Y High Freq Coring Gain	0,1	FIX	0	()	
Non Standard Detection Test Bits 0,1 FIX 0 0 Normal Mode	44	OVST		Non Standard Detection Test Bit	0,1	FIX	0	()	Normal Mode
Non Standard Detection Test Bits 0,1 FIX 0 0 Normal Mode	45		1 X 2	H/V counter Test Bit	0,1	FIX	0	()	Normal Mode
Non Standard Detection Test Bits 0,1 FIX 0 0 Normal Mode		KCTT	Oā	H/V counter Test Bit	0-3	FIX	0	()	Normal Mode
H/V counter Test Bit 0,1 FIX 0 0 Normal Mode	47			Non Standard Detection Test Bits	0,1	FIX	0	()	Normal Mode
A			E	H/V counter Test Bit	0,1	FIX	0	()	Normal Mode
CL2D Clock Generator Test Bit 0,1 FIX 1 1 Normal Mode			'			FIX	0	()	
CGGT CLEB Clock Generator Test Bit O,1 FIX O O Normal Mode	50									
Clock Generator Test Bit	51	_		Clock Generator Test Bit		FIX	0)	Normal Mode
Clock Generator Test Bit				Clock Generator Test Bit		FIX	0)	
HPLL BPLL BPLL Filter D, 1				Clock Generator Test Bit	0,1	FIX	0)	Normal Mode
Burst PLL Filter				Horizontal PLL Filter		FIX	1		<u> </u>	
Burst Extraction Gain 0,1 FIX 0 0 High gain						FIX	1		 	
PLL Loop Gain 0,1 FIX 1 1 High gain, quick convergence				Burst Extraction Gain		FIX	0	()	
Killer Detection Reference 0-15			1							
Horizontal Sync Slice Level 0-15 FIX 12 12 0: 4LSB, 15: 19LSB	58			•					3	
Vertical Sync Slice Level 0-15	59									
BGPS BGPW Burst Gate Start Position O-15			1	-						
Internal Burst Gate Pulse Width 0-15 FIX 10 10 0: 0.5ms, 15: 4.25ms	61		1	•						
ADC ADC ADC ADC Cock Delay 0-3 FIX 3 3 0: 0ns, 3: 20.5ns (typical)							10			
ADC Power Down 0,1 FIX 1 1 Stop ADC when not in use			1				_			
No. Standard Detection Test Bit 0,1 FIX 0 0 Normal Mode										141 1
CNRF CNR Section Test Bit O,1 FIX O O Normal Mode	65									
Controls both DL APACON and SRT O-127 Fix by Model 52 59 52 O: Minimum, 127: Maximum							_			
BLAD SRTS SRTS SRTS SRTS SRTS SRTS SRTS SRT Start Amplitude 0-3 FIX 0 0 0: 10IRE, 1: 20IRE, 2: 30IRE, 3: 40IRE	_						52	59	52	
4 GIRE 5 DAC1 1 bit DAC Output 0,1 FIX 0 0 0 Open			_ <u> </u>							
4 GIRE 5 DAC1 1 bit DAC Output 0,1 FIX 0 0 0 Open			≥ 5				_			·
5 DAC1 0 Open			— 22	•						
5 DAC1 0 Open			υ _₹							
6 DAC2 1 bit DAC Output 0,1 FIX 0 0 Open			-				_			
The superior of the superior o				•			_		1	-
		DAUL	<u> </u>	1 bit bito output	0,1	T IX	, ,			Орон

ADJUSTMENT ITEMS (cont.)

	Register		Description	Data	Adj/Fix	Initial	36" Average Data	Comments
	Name			Range		Data	FS FV16 FV26	
7	GCUR		Controls Curve of Gamma Correction	0,1	FIX	0	0	0: -2.4dB, -1.6dB
8	BLKC		Black Conpensation	0,1	FIX	1	1	OFF
9	TEST	PIC IM	•	0-3	FIX	3	3	Pin 20 Output: 0=RS, 1=SHR, 2=RTC, 3=TEST3
10	RS	TA1226		0-7	FIX	0	0	0: 0dB, 7: +6dB
11	RTC	1A12201	Compensation Ratio of SRT and DL APACON	0-7	FIX	4	4	0: Min, 7: Max
12	VMLO		Gain for Menu VM=LOW	0-2	FIX	1	1	0=off, 1=-6dB, 2=-3dB, 3=0dB
0	PIPH		PIP H-position	0-127	FIX	34	34	0:Right, 127:Left
1	PIPV		PIP V-position	0-63	FIX	22	22	0:Up, 63:Down
2	POFV		Position Ofset Vertical	0-15	FIX	4	4	Vertical PiP Offset from Center
3	POFH		Position Ofset Horizontal	0-31	FIX	17	17	Horizontal PiP Offset from Center
4	VACQ		PiP V-Acquisition Window	0-15	FIX	8	8	0: -8 lines up, 8: Center, 15: +7 pixels down
5	HACQ		PiP H-Acquisition Window	0-15	FIX	8	8	0: -16 pixels right, 8: Center, 15: +14 pixels left
6	PVID		PiP Vsync Delay	0-31	FIX	0	0	Step size 3.56ms< 1 step < 6.4ms
7	VERB		Vertical Blanking	0,1	FIX	0	0	0: DAC Blanking during line blanking interval,
8	PSEL		SELDOWN Bit Control	0,1	FIX	1	1	DAC Blanking during line AND field intervals O:Open out, 1:TTL out
9	SELD	>		0-15	FIX	8	. 8	0: -8 clock cycles, 8: NO delay, 15: +7 clock cycles
10	4SLD		Select PYS Delay YUV Input	0-15	FIX	8	8	0: -8 clock cycles, 8: NO delay, 15: +7 clock cycles
11	PCOR		Position Correction	0,1	FIX	1	1	0: OFF, 1: ON (Position correction during varying parent frequency)
12	AGCR		AGC Gain Control Reset	0,1	FIX	1	 1	0: Normal, 1: Reset (transition of 0>1 resets AGC)
13	AGCM	PIP	AGC Mode	0-3	FIX	0	3	2: ADC overflow, 3: AGC Fixed
14	AGCV	ď	ADC Value	0-15	FIX	11	12	0: Input valtage 0.5Vpp, 15: Input Voltage is 1.5Vpp
15	CLMD		Clamp Pulse Duration	0-3	FIX	3	3	0: 0.5ms, 1: 0.9ms, 2: 1.2ms, 3: 1.5ms
16	CLMS		Clamp Pulse Start	0-3	FIX	2	2	0: 1.0ms, 1: 1.5ms, 2: 2.0ms, 3: 2.5ms
17	LMOF		Luminance Offset	0-3	FIX	3	3	0: NO OFFSET, 1: +16LSB, 2: -8LSB, 3: -16LSB
18	PYDL		Y/C Delay	0-15	FIX	8	2	0: -8 pixels, 15: +7 pixels
19	FRMY		Frame Y Level	0-15	Fix by Model	6	5	Adjusts 4 MSB of Frame Y Signal
20	FRSL		Frame Type Select	0,1	FIX	1	1	0: Normal frame, 1: 3D frame
21	FRWH		Frame Width Horizontal	0-7	FIX	4	4	0: No frame, 7: 7 pixels
22	FRWV		Frame Width Vertical	0-3	FIX	1	1	0: No frame, 3: 3 lines
23	PBSW		PiP Block Selection (PIPBG vs PIPBLK)	0,1	FIX	0	1	Blocking Type: 0= PIPBG(gray), 1=PIPBLK(black)
0	CKIL		Color Killer Threshold	0-3	FIX	0	0	0: -30dB, 1: -18dB, 2: -24dB, 3: color always off
1	COLO		Color Killer Off	0,1	FIX	0	0	0: Color killer active, 1: Color always on
2	PSHU		PiP Sub Hue	0-15	FIX	7	7	PiP sub hue
3	4PSU		PiP Sub Hue YUV Input	0-15	FIX	7	7	PiP sub hue
4	CPLL		Chroma PLL Off	0,1	FIX	0	0	0: Chroma PLL active, 1: Chroma PLL free running
5	SCAD		Sub Carrier Freq Fine Adjustment	0-31	FIX	5	6	0: -150 PPM, 7: default, 31: +310 PPM
6	PCON	()	PiP Contrast	0-15	FIX	0	0	0: nominal, 15: +30% increase
7	4PCN		PiP Contrast YUV Input	0-15	FIX	0	0	0: nominal, 15: +30% increase
8	PBRT	JP-Y(PiP Brightness	0-15	FIX	0	2	0: nominal, 15: +20% increase
9	4PBR	, y	PiP Brightness YUV Input	0-15	FIX	0	2	0: nominal, 15: +20% increase
10	IPER	∩ {	V Pedestal	0-15	FIX	0	0	0: nominal, 15: +15LSB offset
11	4IPR		V Pedestal YUV Input	0-15	FIX	4	0	0: nominal, 15: +15LSB offset
12	IPEG	\Box	Y Pedestal	0-15	FIX	0	0	0: nominal, 15: +15LSB offset
13	4IPG		Y Pedestal YUV Input	0-15	FIX	0	0	0: nominal, 15: +15LSB offset
14	IPEB		U Pedestal	0-15	FIX	1	1	0: nominal, 15: +15LSB offset
15	4IPB		U Pedestal YUV Input	0-15	FIX	1	1	0: nominal, 15: +15LSB offset
16	BLKR		Invert V Pedestal	0,1	FIX	1	0	0: Offset add during blanking, 1: Offset add during active
17	BLKB		Invert U Pedestal	0,1	FIX	0	1	0: Offset add during blanking, 1: Offset add during active
18	PVGA		Peak Level V Output	0-255	FIX	84	84	0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
19	4PVG		Peak Level V Output YUV Input	0-255	FIX	69	69	0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp

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	Register		Description	Data	Adj/Fix	Initial			erage D		Comments
	Name			Range		Data	FS	FV16		V26	
20	PUGA	4.5	Peak Level U Output	0-255	FIX	52			52		0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
21	4PUG	$\mathbf{O}_{\mathbf{v}}$	Peak Level U Output YUV Input	0-255	FIX	36			36		0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
22	PYGA	(8	Peak Level Y Output	0-255	Fix by Model	104			35		0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
23	4PYG	- \	Peak Level Y Output YUV Input	0-255	Fix by Model	129			37		0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
24 25	CHRO	3 6	UV Output Polarity	0,1	FIX	8			9		0: +U/+V output, 1: -U/-V output
26	SATA	1 P-Y(SDA9588X	Color Saturation Adjustment	0-15	FIX	7			7		0: No color, 8: nominal saturation, 15: nominal x 1.875
27	YPKG] - -	Y Peaking Adjustment Y Peaking Adjustment YUV Input	0-7 0-7	FIX	7			7		0: No peaking, 7: Strongest Peaking
28	4YPK YCOR	ᡗ	Y Coring Enable	0,1	FIX	1			1		0: No peaking, 7: Strongest Peaking
29	CLPL		Clamp Pulse Length	0,1	FIX	0			0		0: OFF, 1: ON 0=5ms, 1=3.75ms, 2=2.5ms, 3=1.25ms
0	RTCO		Rotation Coil	0-3	FIX	31			31		Rotation coil adjustment for nominal value
1	T2CO	2	Sub Color TV Input	0-63	Adj	120			104		TV Sub Color Adjustment (CXA2039 YUV Models AT DAC)
2	V2CO	U ž	Sub Color 1 v input Sub Color Video Input	0-7	Adj Adj	120			148		VIDEO1-3 Sub Color Adjustment (CXA2039 YUV Models AT DAC)
3	4COL	DAC 0XA1315	Sub Color YUV Input	0-7	Adj Adj	120			137		YUV Sub Color Adjustment (CXA2039 YUV Models at DAC)
4	T2HU	_ ★	Sub Hue TV Input	0-7	Adj	15			16		TV Sub HUE Adjustment (CXA2039 YUV Models at DAC)
5	V2HU	$\square \stackrel{\times}{\sim}$	Sub Hue Video Input	0-7	Adj	15			18		VIDEO1-3 Sub HUE Adjustment (CXA2039 YUV Models at DAC)
6	4SHU		Sub Hue YUV Input	0-7	Adi	15			16		YUV Sub HUE Adjustment (CXA2039 YUV Models at DAC)
0		104	·		FIX	0			0		
_	XJGL	ID1	Decoding Result Held For VCR Scanning	0,1							Hold data during VCR variable speed playback
1	LNJ1	CXD2085	ID-1 Signal Location	0,1	FIX	0			0		Search for ID-1 data +/- one line in VBI
0	DUM1	CCD	CCD Dummy Register								Used to display CC data in Service Mode
1	VOSD	מ	VChip OSD Test Register	0,1	FIX	0			0		Used to display VChip data in Service Mode
0	DISP		OSD Position	0-63	Adj	15			16		OSD horizontal position
1	RAMW		OSD RAM Window	0,1	FIX	0			0		
2	ICMP	OP	OSD Non-interlace Threshold	0-15	FIX	4			4		0: 0 fields, 15: 15 fields
3	IPOR	M306V5	OSD Non-interlace Even/Odd Display	0-3	Fix	1			1		0=Even OSD display, 1= Odd OSD display, 2&3=N/A
4	FAWD		Factory AutoWide Mode	0,1	Fix	0			0		0= No Autowide in RF mode, 1= Autowide in RF Mode
5	TILT		Tilt Correction Spec	0,1	Fix	0			2		0= New Tilt Spec for AA2U (less VANG offset), 1= AA2W/AA2H Tilt Spec
			PROGRAM FOR EACH PALETTE MODE			$\overline{}$	VIVID	STD	MOVIE	SPORTS	
0	VPIC		Set Current Program Pallette PICTURE Reset Level	0-63	FIX by Palette	50	63	50	38	63	0=MIN, 63=MAX
1	VBRT		Set Current Program Pallette BRIGHTNESS Reset Level	0-63	FIX by Palette	31	31	31	31	31	0=MIN, 63=MAX
2	VCOL		Set Current Program Pallette COLOR Reset Level	0-63	FIX by Palette	31	38	31	31	38	0=MIN, 63=MAX
3	VSHP	AM	Set Current Program Pallette SHARPNESS Reset Level	0-63	FIX by Palette	31	31	31	31	31	0=MIN, 63=MAX
4	VVM	PROGRAM	Set Current Program Pallette VM Reset Level	0-3	FIX by Palette	1	2	1	0	2	0=OFF, 1=LOW, 2=HIGH, 3=N/A
5	VTRI	<u> </u>	Set Current Program Pallette Color Temp Reset Setting	0-3	FIX by Palette	1	0	1	2	0	0=COOL, 1=NEUTRAL, 2=WARM, 3=N/A
6	VGMA		Set Current Program Pallette YC/J GAMMA	0-3	FIX by Palette	2	3	2	2	2	0=GAMMA CORRECTION OFF, 3=+12 IRE CORRECTION @ 40 IRE INPUT
7	VBLK		Set Current Program Pallette Black Stretch	0,1	FIX by Palette	1	1	1	1	1	0=BLACK STRETCH OFF, 1=BLACK STRETCH ON
8	VAPA		Set Current Program Palette APACON	0,1	FIX by Palette	1	0	1	1	1	0=APACON OFF, 1=APACON ON
9 10	VSRT		Set Current Program Pallette SRT Set Current Program Pallette NRMD	0,1 0.1	FIX by Palette	0	0	0	0	0 1	0=SRT OFF, 1=SRT ON 0=3D YCS, 1=2D YCS
10	VINKIN		Set Current Program Pallette NRMD	υ,1	FIX by Palette	L U	U	U	U	1 1	U=3U TG3, 1=2U TG3

ADJUSTMENT ITEMS (cont.)

	Register		Description	Data	Adj/Fix	Initial		36" Ave	rage Data	Comments
	Name			Range		Data	FS	FV16	FV26	
0	RDOF		Red Drive offset for WARM	0-63	FIX	0			0	Red Drive MOVIE=RDRV(RDR4)-RDOF
1	GDOF	I COLOR OFFSET	Green Drive offset for WARM	0-63	FIX	4			4	Green Drive MOVIE=GDRV(GDR4)-GDOF
2	BDOF	Ω F.	Blue Drive offset for WARM	0-63	FIX	15			15	Blue Drive MOVIE=BDRV(BDR4)-BDOF
3	RCOF	5 0	Red Cutoff offset for WARM	0-31	FIX	0			0	Red Cutoff MOVIE=RCUT(RCU4)-RCOF
4	GCOF	WARM	Green Cutoff offset for WARM	0-31	FIX	2			2	GREEN Cutoff MOVIE=GCUT(GCU4-GCOF)
5	BCOF	≥ #	Blue Cutoff offset for WARM	0-31	FIX	7			7	BLUE Cutoff MOVIE=BCUT(BCU4)-BCOF
6	DCOF		Dynamic Color setting for WARM	0,1	FIX	0			0	0=OFF, 1=ON
0	ID-0		ID-0 (Language/Color Systems)	0-255	Fix by model	89				See ID map
1	ID-1		ID-1 (Input/Output Conifguration)	0-255	Fix by model	63				See ID map
2	ID-2		ID-2 (Audio)	0-255	Fix by model	239				See ID map
3	ID-3	ID MAP	ID-3 (OSD/Timer/V-chip/Ch Fix)	0-255	Fix by model	99		refer to N	VM ID Chart	See ID map
4	ID-4	_ ₹	ID-4 (CC/Spot Killer/etc)	0-255	Fix by model	139		reier to n	VIII ID GIIGIT	See ID map
5	ID-5		ID-5 (V-series Features/etc)	0-255	Fix by model	181				See ID map
6	ID-6		ID-6 (PiP/Ant Sw related)	0-255	Fix by model	6				See ID map
7	ID-7		ID-7 (Special Models/etc)	0-255	Fix by model	24				See ID map

VALUE = Not Used for AA-2U
VALUE = Fixed Item For AA-2U

5-5. FEATURE ID MAP

ID 7 24 SERVICE ID7 TV 00011000 M306V5ME-1015P NVM:G VERSION: 1.0_

Note: Check to be sure NVM is good (NVM: G)

Model	Destination	ID-0	ID-1	ID-2	ID-3	ID-4	ID-5	ID-6	ID-7
KV-36FS12	US	89	31	95	99	139	177	0	16
KV-36FS12	CND	89	31	95	83	139	177	0	16
KV-36FS12	HAW	89	31	95	99	139	177	0	16
KV-36FS16	US	89	31	95	99	139	177	6	16
KV-36FS16	CND	89	31	95	83	139	177	6	16
KV-36FS16	HAW	89	31	95	99	139	177	6	16
KV-36FV16	US	89	63	239	99	139	181	6	17
KV-36FV16	HAW	89	63	239	99	139	181	6	17
KV-36FV26	US	89	63	239	99	139	181	6	24
KV-36FV26	CND	89	63	239	83	139	181	6	24
KV-36FV26	HAW	89	63	239	99	139	181	6	24

5-6. PROGRAM PALETTE SETTINGS

	_	Vivid	Standard	Movie	Sports
Picture	(VPIC)	63	50	38	63
Brightnness	(VBRT)	31	31	31	31
Color	(VCOL)	38	31	31	38
Sharpness	(VSHP)	31	31	31	31
$VM^{1)}$	(VVM)	2	1	0	2
C Temp ¹⁾	(VTRI)	2	1	0	2
Gamma	(VGMA)	3	2	2	2
Blk Comp	(VBLK)	1	1	1	1
V Apa Comp	(VAPA)	0	1	1	1
SRT ON/OFF	(VSRT)	1	0	0	0
NRMD	(VNRM)	0	0	0	1

¹⁾ Setting of 3 is invalid for these registers

To Program Program Palette RESET Levels

- 1. Switch to Program Palette to edit.
- 2. Enter Service Mode.
- 3. Set desired values for current Program Palette settings.
- 4. Write into memory by MUTING then ENTER.
- 5. Repeat steps 1-4 for each palette.

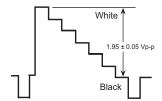
Example

To Set RESET Level of Standard Mode to 60%

- 1. Switch to STANDARD Palette.
- 2. Enter Service Mode.
- 3. Change value of VPIC to 38 (38/63 = 60%)
- 4. Write into memory by MUTING then ENTER.
- 5. Enter Video Menu and press RESET.
- Reset level of picture for STANDARD PALETTE ONLY is now 38 steps.

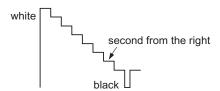
5-7. A BOARD ADJUSTMENTS Sub Contrast Adjustment (RDRV, RDR4)

- 1. Input a 75% color-bar signal.
- 2. Set to: VIDEO mode = Standard, COLOR = Minimum, PICTURE = 100%, GON = 0 (OFF), BON = 0 (OFF)
- 3. Set to Service Adjustment Mode and connect an oscilloscope to pin (1) of CN351 on the A Board.
- 4. Set RDRV with 1 and 4.
- 5. Adjust with 3 and 6 for: 1.95 ± 0.05 Vp-p.
- 6. Write into memory by MUTING then ENTER.
- 7. Repeat steps 1-6 for RDR4 using Video 4 input.



Sub Bright Adjustment (SBRT)

- 1. Set to Service Adjustment Mode.
- 2. Input a gray scale pattern signal.
- 3. Set the PICTURE to minimum, and BRIGHT to normal.
- 4. Select SBRT with 1 and 4.
- 5. Adjust SUB BRIGHT level with 3 and 6 so that the stripe second from the right is faintly visible.
- 6. Write into the memory by pressing MUTING then ENTER.



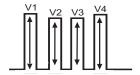
Sub Hue, Sub Color Adjustment (T2HU, T2CO, V2HU, V2CO, 4SHU, 4COL)

Note: T2HU and T2CO are for Tuner inputs.

V2HU and V2CO are for all other Video inputs.

4SHU and 4COL are for Video 4 input.

- 1. Input a 75% color-bar signal.
- Set to Service Adjustment Mode and set: VIDEO mode = Standard, PICTURE = 100%, COLOR = 50%, HUE = 50%.
- 3. Connect an oscilloscope to Pin (3) of CN351 on the A Board.
- 4. Select T2HU and T2CO with 1 and 4.
- 5. Adjust with $\boxed{3}$ and $\boxed{6}$ for the V1 = V4 \pm 0.1Vp-p (T2CO) and V2 = V3 \pm 0.1Vp-p (T2HU).
- 6. Write into memory by MUTING then ENTER.
- 7. Repeat steps 1-6 for V2HU & V2C0 and 4SHU & 4COL.



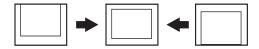
V. Size Adjustment (VSIZ)

- 1. Input a cross-hatch signal.
- 2. Set to Service Adjustment Mode.
- 3. Select VSIZ with 1 and 4.
- 4. Adjust with 3 and 6 for the best vertical size.
- 5. Write into the memory by pressing MUTING then ENTER.



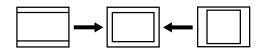
V. Position Adjustment (VPOS)

- 1. Input a cross-hatch signal.
- 2. Set to Service Adjustment Mode.
- 3. Select VPOS with 1 and 4.
- 4. Adjust with 3 and 6 for the best vertical center.
- 5. Write into the memory by pressing MUTING then ENTER.



H. Size Adjustment (HSIZ)

- 1. Input a monoscope signal.
- 2. Set to Service Adjustment Mode.
- 3. Select HSIZ with $\boxed{1}$ and $\boxed{4}$.
- 4. Adjust with 3 and 6 for the best vertical size.
- 5. Write into the memory by pressing MUTING then ENTER.



H. Position Adjustment (HPOS)

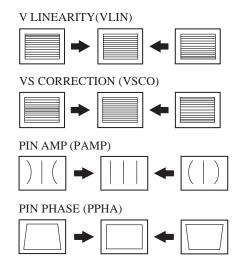
HPOS Range is from 0~15.

- 1. Input a monoscope signal.
- 2. Set the Service Adjustment Mode.
- 3. Select HPOS with 1 and 4.
- 4. Adjust with 3 and 6 for the best horizontal center.
- 5. Write into the memory by pressing MUTING then ENTER.



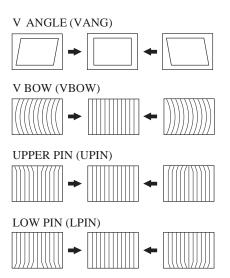
V Linearity (VLIN), V Correction (VSCO), Pin Amp (PAMP) And Pin Phase (PPHA) Adjustments

- 1. Input a cross-hatch signal.
- 2. Set to Service Adjustment Mode.
- 3. Select VLIN, VSCO, PAMP, and PPHA with $\boxed{1}$ and $\boxed{4}$.
- 4. Adjust with 3 and 6 for the best picture.
- 5. Write the memory by pressing MUTING then ENTER.



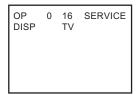
V Angle (VANG), V Bow (VBOW), Upper Pin (UPIN) And Low Pin (LPIN) Adjustments

- 1. Input a monoscope signal.
- 2. Set to Service Adjustment Mode.
- 3. Select VANG, VBOW, UPIN, and LPIN with $\boxed{1}$ and $\boxed{4}$.
- 4. Adjust with 3 and 6 for the best picture.
- 5. Write the memory by pressing MUTING then ENTER.



OSD Position Adjustment (DISP)

- 1. Input a color-bar signal.
- 2. Set to Service Adjustment Mode.
- 3. Select DISP with 1 and 4.
- 4. Adjust with 3 and 6 for adjustment of characters to center.
- 5. Write the memory by pressing MUTING then ENTER.

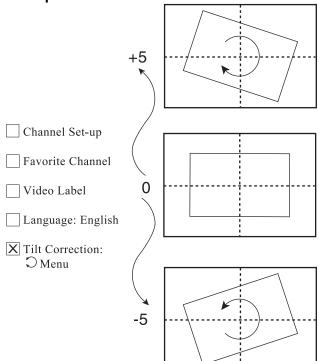


Rotation Coil Adjustment

- 1. Input a monoscope signal.
- 2. Push the Menu button on the Remote.
- 3. Select the "Set-up" mode.
- 4. Select "Tilt Correction". Confirm that number (0) color changes to red.
- 5. Push ♠ (+) on the Remote. Confirm that the number increases up to +5 and the picture rotates clockwise.
- 6. Push

 √ (-) on the Remote. Confirm that the number decreases down to -5 and the picture rotates counter-clockwise.
- 7. Push \uparrow (+) on the Remote. Return the value to 0.

Set-Up

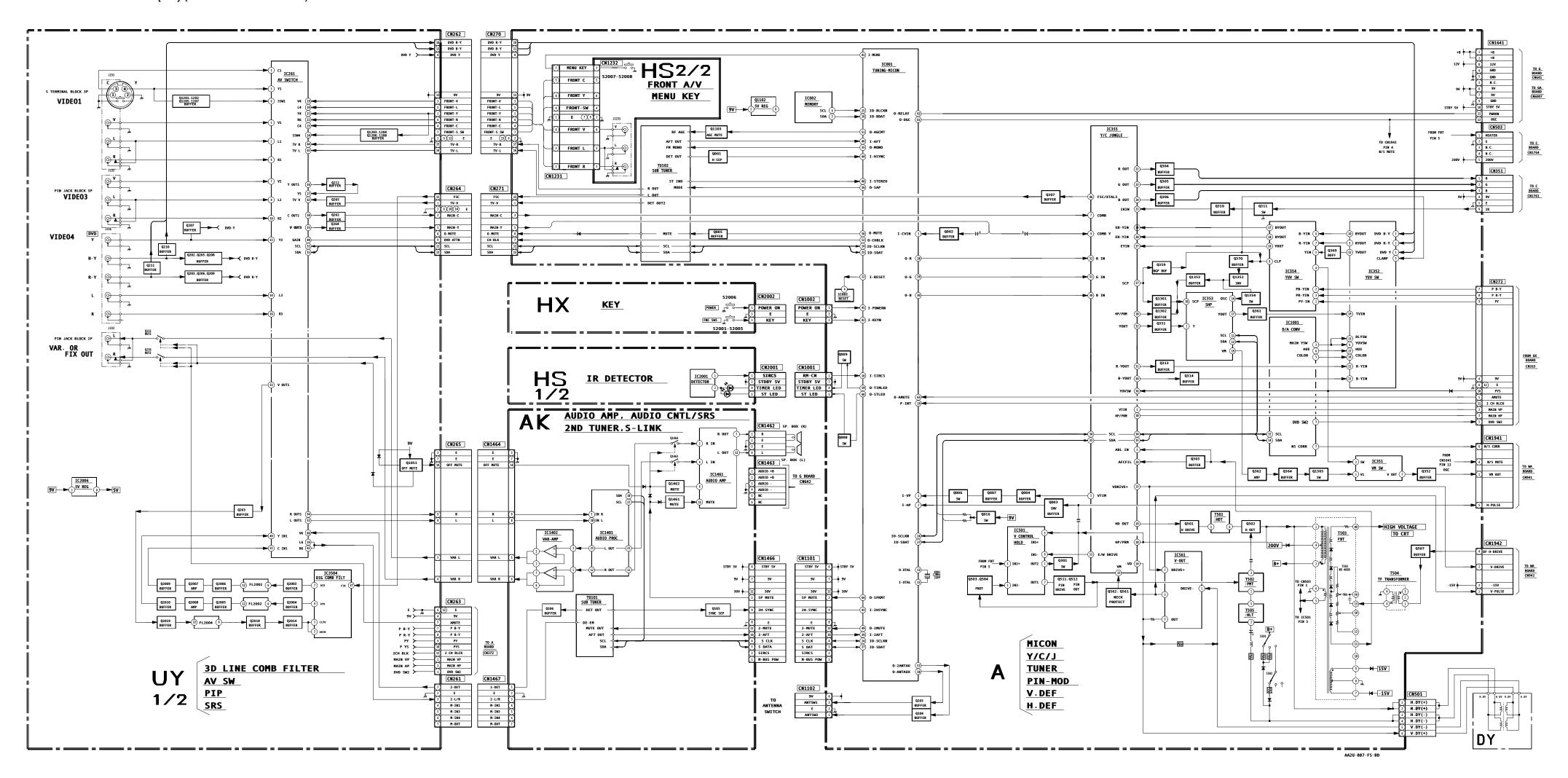


KV-36FS12/36FS16/36FV16/36FV26

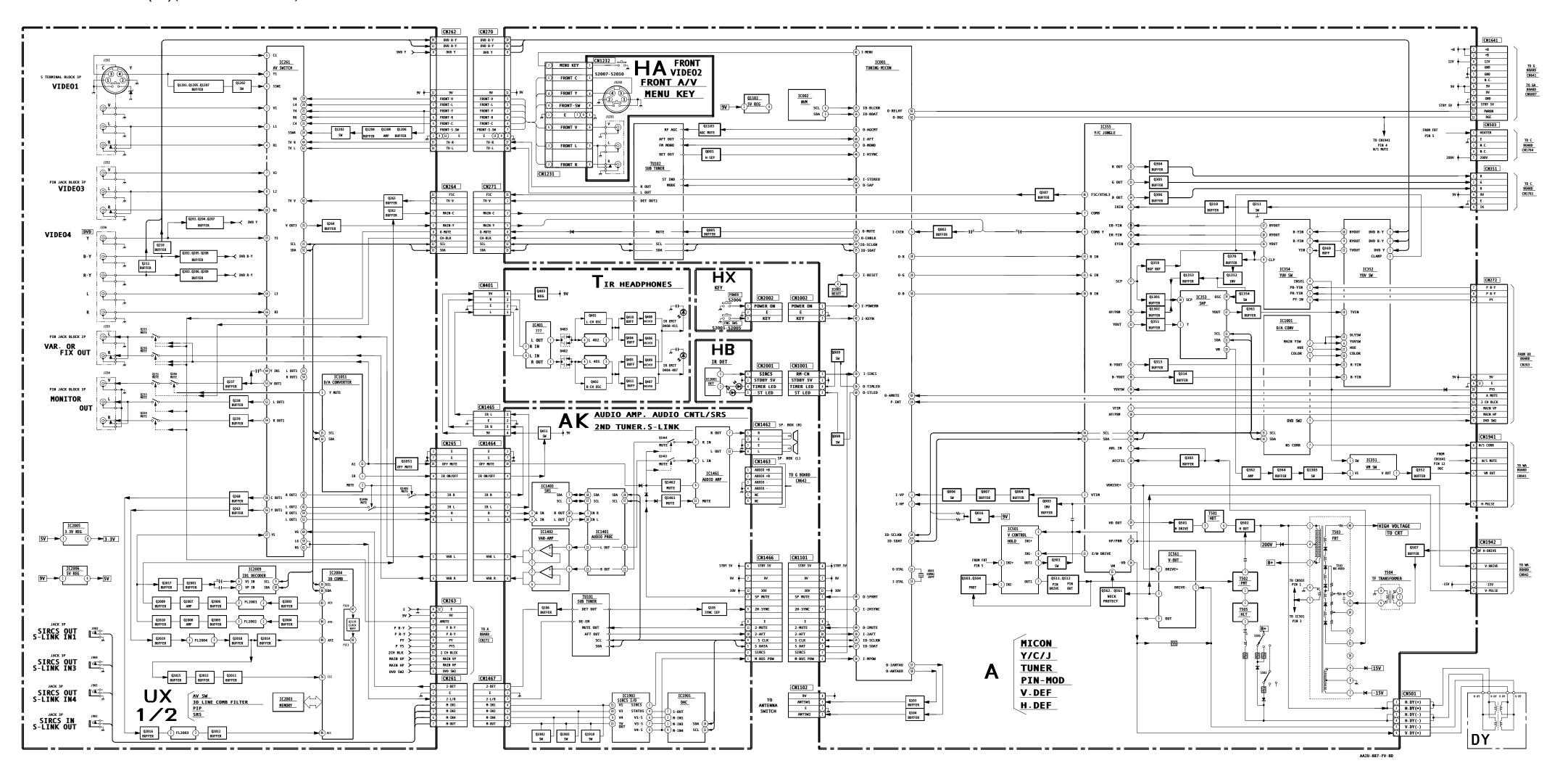
NOTES:	

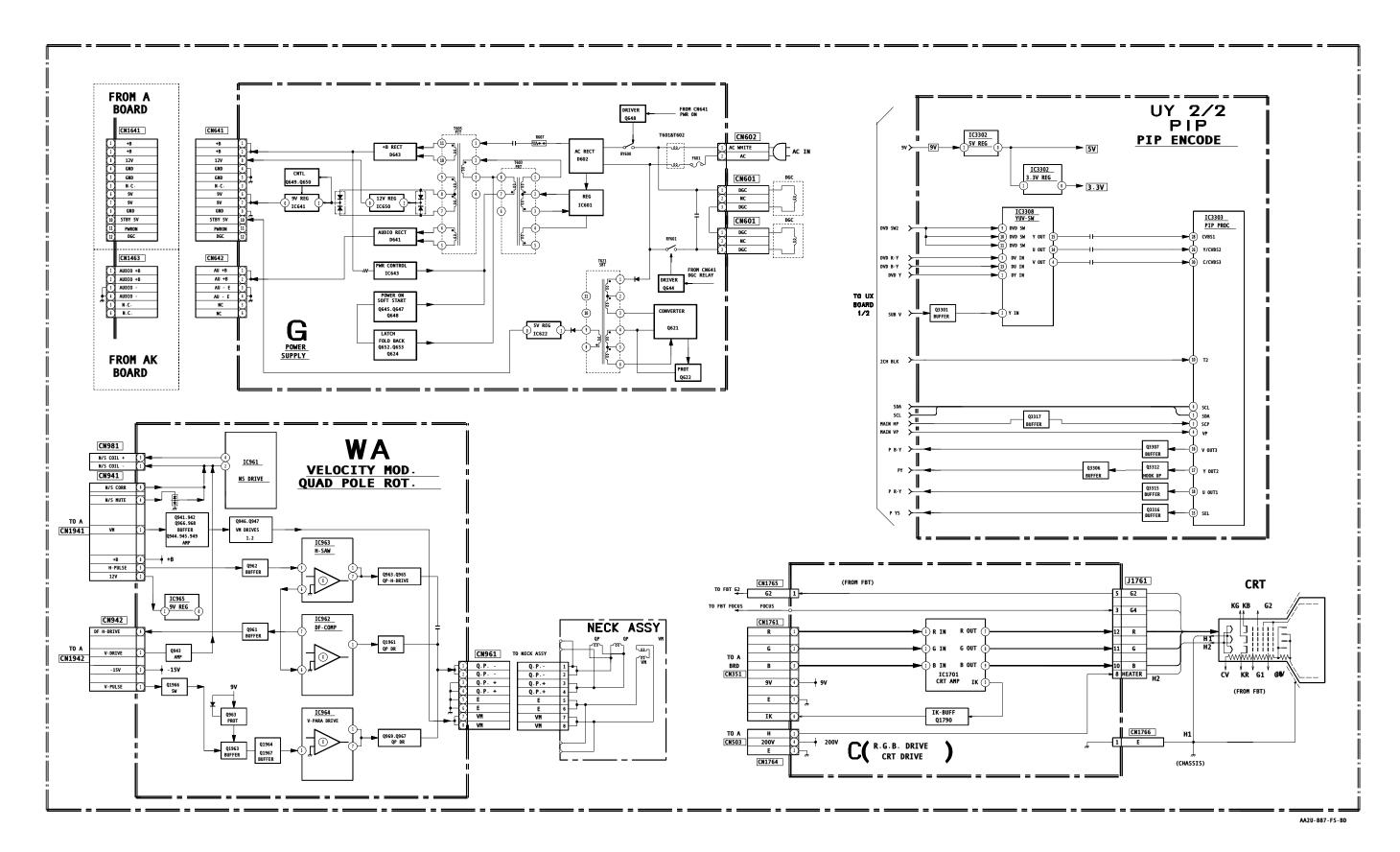
SECTION 6 DIAGRAMS

6-1. BLOCK DIAGRAM (1/4) (KV-36FS12/36FS16 ONLY)

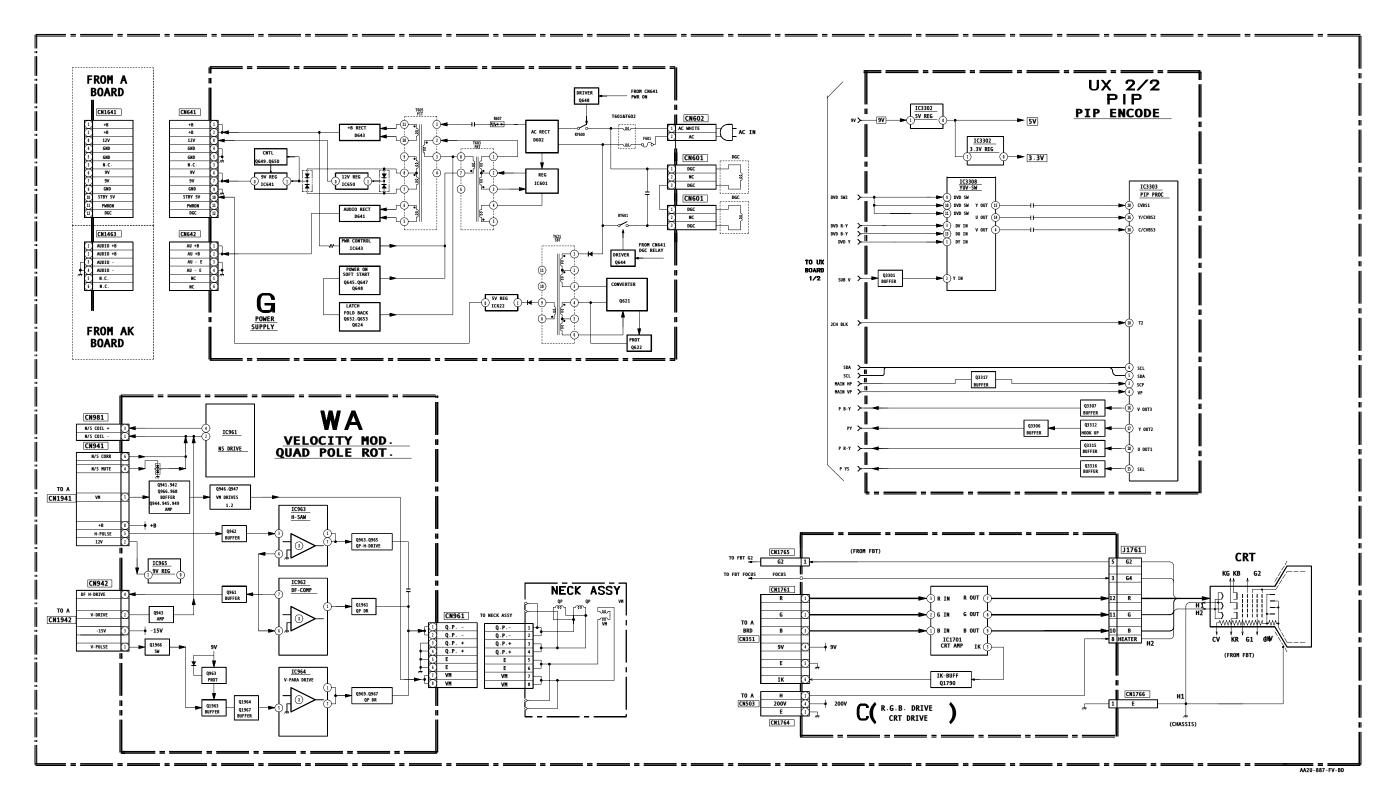


6-2. BLOCK DIAGRAM (2/4) (KV-36FV16/36FV26 ONLY)



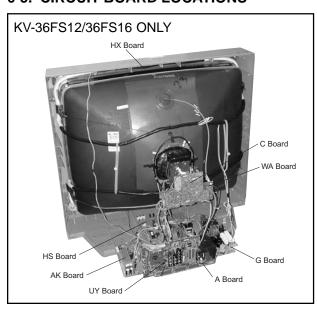


6-4. BLOCK DIAGRAM (2/2) (KV-36FV16/36FV26 ONLY) see page 33 for 1/2 of this diagram



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6-5. CIRCUIT BOARD LOCATIONS



6-6. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

- All capacitors are in mF unless otherwise noted. pF: mmF 50 WV or less are not indicated except for electrolytic and tantalums.
- All electrolytics are 50V unless otherwise specified.
- Indication of resistance, which does not have one for rating electrical power, is as follows:
 Pitch: 5mm

Rating electrical power 1/4W (CHIP: 1/10W)

• All resistors are in ohms.

KW = 1000W MW = 1000KW

• nonflammable resistor
• wr : fusible resistor

: internal component
: panel designation and adjustment for repair

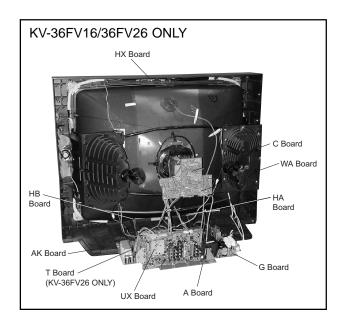
• \(\precedef \) : earth-ground • \(\precedef \) : earth-chassis

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by

 in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the
 necessary adjustments indicated. If results do not meet
 the specified value, change the component identified
 by and repeat the adjustment until the specified value
 is achieved (refer to Safety Related Adjustments on
 page 19).
- When replacing parts shown in the table below, be sure to perform the related adjustments.

Part Replaced (∠)	Adjustment (►)
R387, R550, R529, R530, R531, R532, R533, D519, D520, D521, IC501, C531, C532, T503, IC351, IC355, Q301, R356, R359, R361, D302	HV HOLD-DOWN R530, R531

- All voltages are in Volts
- Voltage is DC with respect to ground unless otherwise noted.



- · Readings are taken with a 10MW digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerance.
- · Circled numbers are waveform references.

* : cannot be measured
 . : B + Line
 . : B - Line
 . : Signal path

Reference Information

RESISTOR	:	RN	METAL FILM
	:	RC	SOLID
	:	FPRD	NON FLAMMABLE CARBON
	:	FUSE	NON FLAMMABLE FUSIBLE
	:	RW	NON FLAMMABLE WIREWOUND
	:	RS	NON FLAMMABLE METAL OXIDE
	:	RB	NON FLAMMABLE CEMENT
	:	×	ADJUSTMENT RESISTOR
COIL	:	LF-8L	MICRO INDUCTOR
CAPACITOR	:	TA	TANTALUM
	:	PS	STYROL
	:	PP	POLYPROPYLENE
	:	PT	MYLAR
	:	MPS	METALIZED POLYESTER
	:	MPP	METALIZED POLYPROPYLENE
	:	ALB	BIPOLAR
	:	ALT	HIGH TEMPERATURE
	:	ALR	HIGH RIPPLE

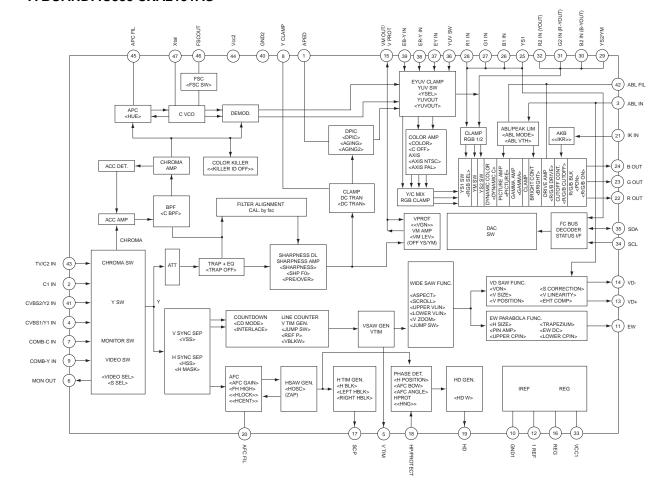
Note:

The components identified by shading and △ mark are critical for safety. Replace only with the part number specified. The symbol ★ (displayed on component side of the circuit board) indicates fast operating fuse. Replace only with fuse of the same rating as marked.

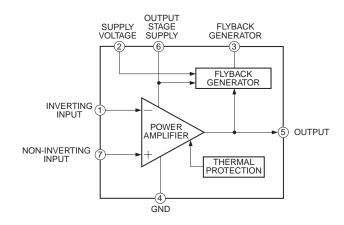
Les composants identifiés per un tramé et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié. Le symbole $\stackrel{-}{\longleftarrow}$ indique une fusible a action rapide. Doit etre remplacee par une fusible de meme yaleur, comme marque.

A BOARD IC BLOCK DIAGRAMS

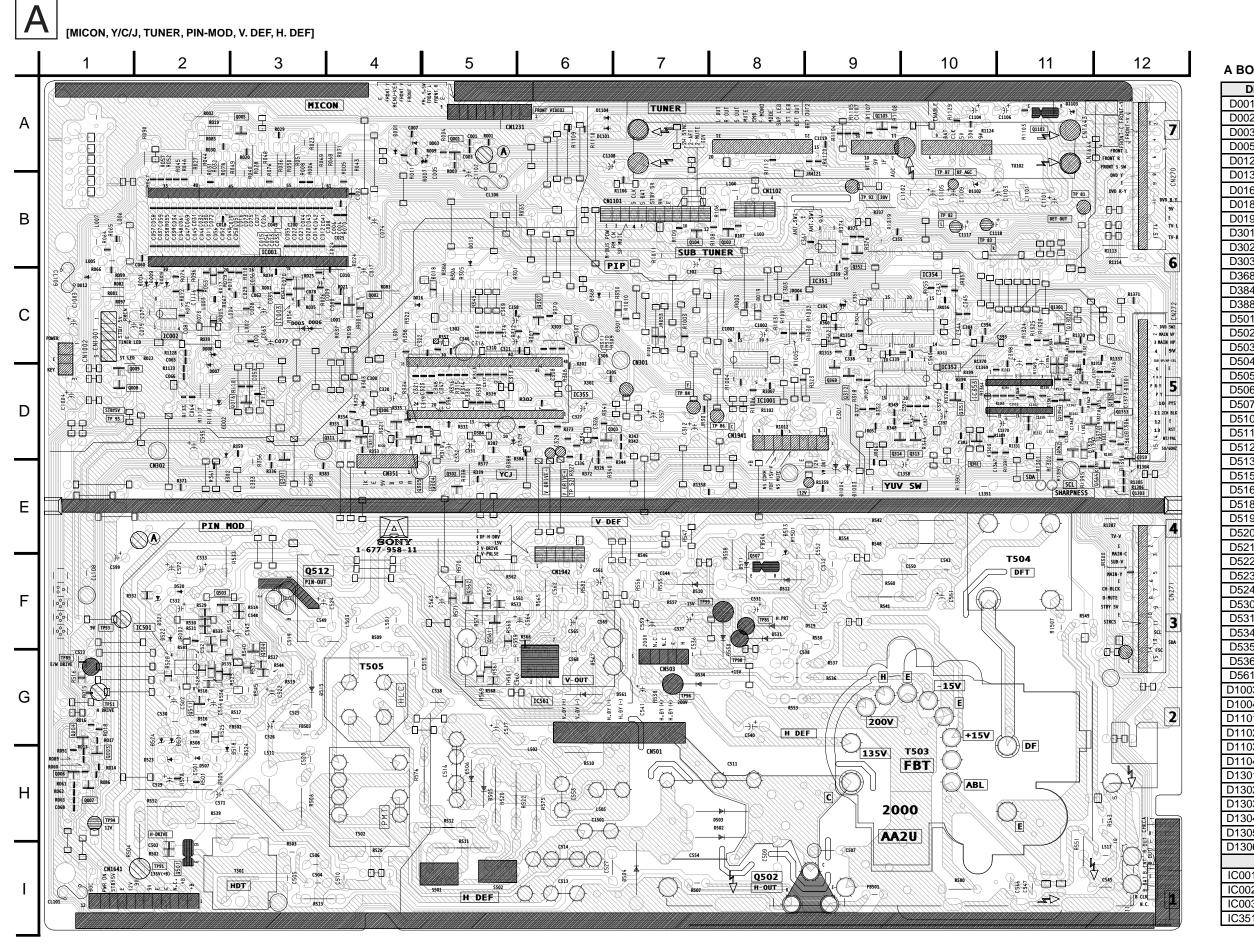
A BOARD: IC355 CXA2131AS



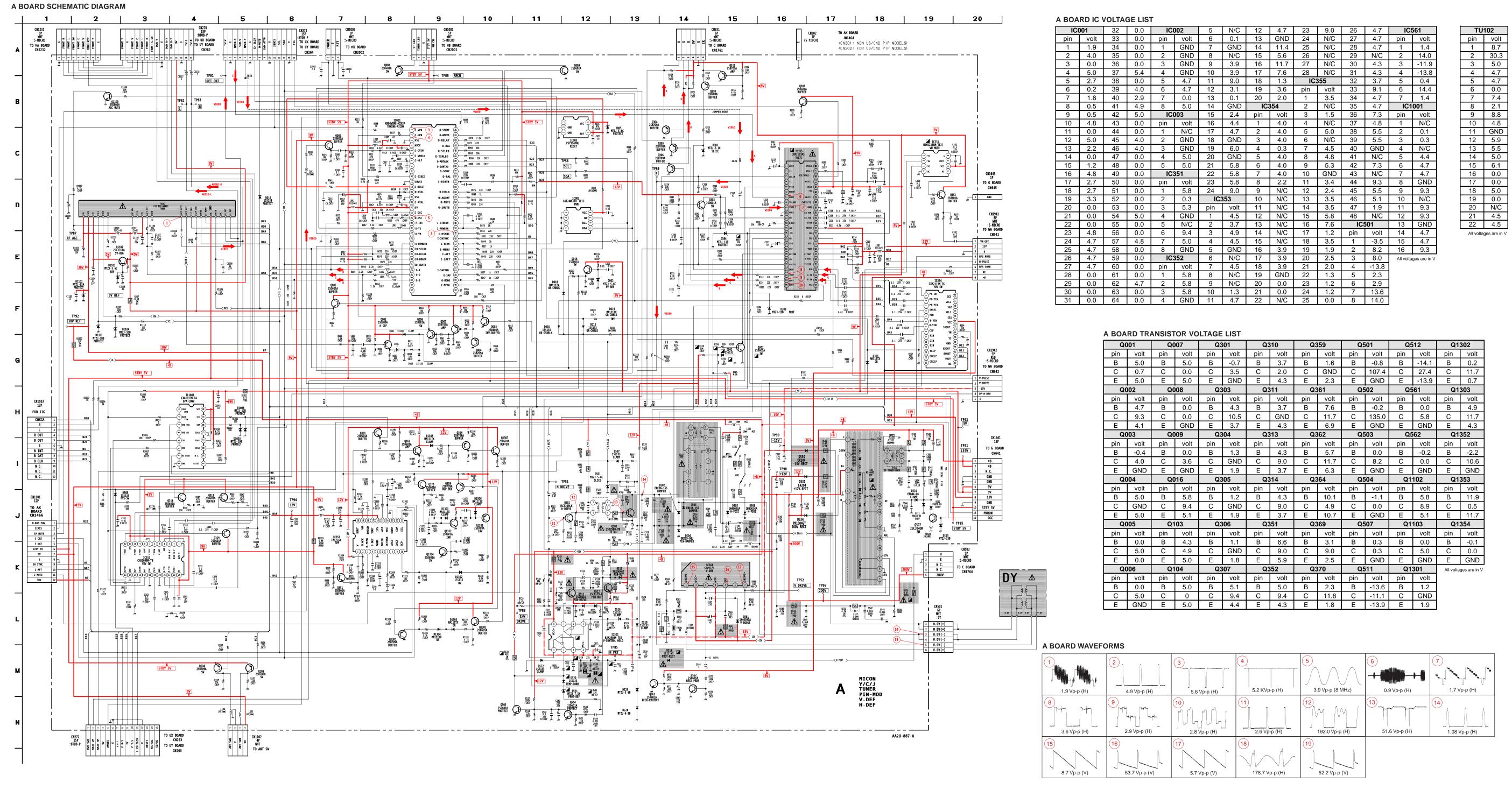
A BOARD: IC561 STV9379



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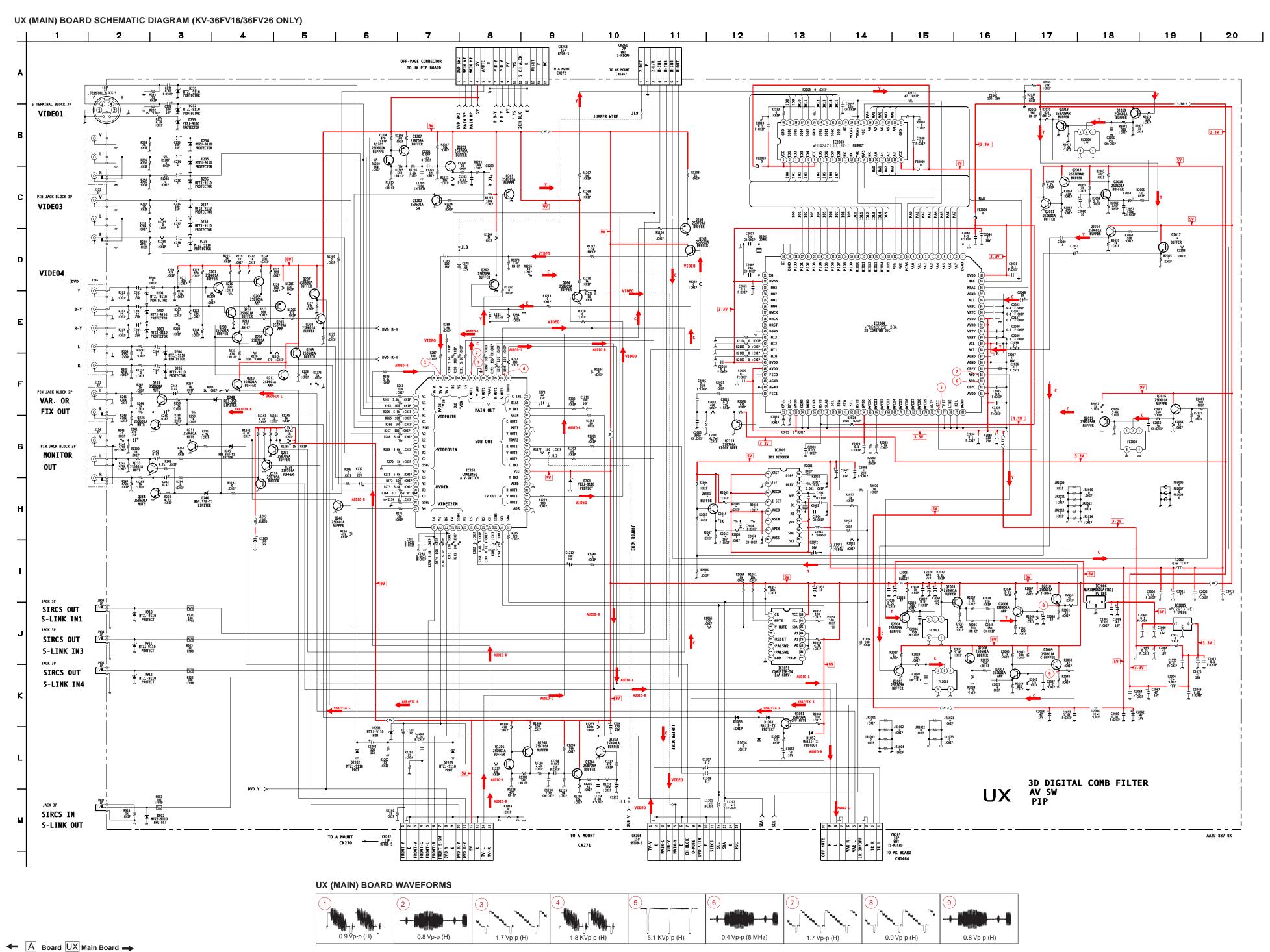


DIC	DE	IC352 D-1					
D001	A-4	IC353	C-10				
D002	D-2	IC354	C-10				
D003	A-5	IC355	D-6				
D005	C-3	IC501	F-2				
D012	C-1	IC561	G-6				
D013	B-5	IC1001	D-8				
D016	C-4		SISTOR				
D018	C-5	Q001	A-5				
D019	C-8	Q002	C-4				
D301	C-7	Q003	H-1				
D302	E-2	Q004	G-1				
D303	D-4	Q005	A-3				
D368	C-6	Q006	H-1				
D384	D-5	Q007	H-1				
D388	D-5	Q008	D-10				
D501	H-2	Q009	D-10				
D502	H-8	Q016	D-2				
D503	H-8	Q103	B-8				
D504	I-7	Q104	B-7				
D505	H-5	Q301	E-3				
D506	H-5	Q303	D-6				
D507	H-2	Q304	D-0				
D510	F-7	Q304 Q305	D-4 D-4				
D510	E-8	Q305 Q306	D-4 D-4				
D511	F-8	Q306 Q307	C-6				
D512	E-8		D-4				
		Q310	D-4 D-3				
D515	G-3	Q311					
D516	G-2	Q313	D-10				
D518	H-3 F-8	Q314	D-9				
D519	F-8 F-2	Q351	D-10 B-9				
D520		Q352					
D521	F-2	Q359	D-12				
D522	F-2	Q361	D-10 E-11				
D523	H-2	Q362	E-11				
D524 D530	H-2	Q364	D-9				
	G-8	Q369					
D531	F-8	Q370	D-11				
D534 D535	G-7 G-2	Q501 Q502	I-2 I-8				
D535	G-2	Q502 Q503	F-2				
D561	G-7	Q504	F-3				
D1003 D1004	E-9	Q507	F-8 G-2				
	E-9	Q511	F-3				
D1101	A-6	Q512	F-3				
D1102	B-10	Q561	F-4 F-4				
D1103	A-11	Q562					
D1104	A-6	Q1102	A-11				
D1301	D-12 C-11	Q1103	A-9 C-11				
D1302 D1303	C-11	Q1301	C-11				
		Q1302					
D1304	C-11	Q1303	E-12				
D1305	D-11	Q1352	D-11				
D1306	D-12	Q1353	D-12				
10001		Q1354	D-11				
IC001	B-2		STAL				
IC002	C-2	X001	C-3				
IC003	C-3	X302	D-6				
IC351	C-9	J					



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UX (MAIN) BOARD IC VOLTAGE LIST

IC2	261	29	4.5	59	4.5	5	1.6	35	GND	23	1.5	53	3.3	83	1.7	IC2	2009
pin	volt	30	0.0	60	N/C	6	5.0	36	1.7	24	1.5	54	GND	84	1.7	pin	volt
1	4.5	31	4.7	61	4.5	7	1.4	37	1.7	25	1.5	55	GND	85	1.0	1	4.8
2	4.5	32	4.7	62	4.5	8	1.6	38	1.7	26	1.7	56	N/C	86	GND	2	GND
3	4.5	33	GND	63	4.5	9	1.7	39	1.7	27	1.7	57	4.0	87	GND	3	4.8
4	4.5	34	4.6	64	4.5	10	1.0	40	GND	28	1.7	58	GND	88	2.2	4	1.4
5	4.5	35	4.2	IC1	051	11	N/C	IC2	2004	29	GND	59	4.7	89	0.0	5	4.8
6	4.5	36	4.6	pin	volt	12	N/C	pin	volt	30	1.5	60	4.7	90	N/C	6	1.8
7	4.5	37	GND	1	8.9	13	2.9	1	GND	31	1.5	61	0.1	91	N/C	7	1.6
8	4.5	38	N/C	2	8.9	14	0.5	2	1.5	32	3.3	62	N/C	92	3.3	8	GNI
9	N/C	39	8.9	3	0.4	15	N/C	3	1.5	33	N/C	63	N/C	93	3.3	9	4.7
10	4.5	40	N/C	4	N/C	16	1.5	4	1.5	34	N/C	64	3.3	94	3.3	10	4.7
11	N/C	41	4.6	5	6.1	17	1.5	5	1.5	35	N/C	65	0.0	95	3.3	11	4.8
12	0.0	42	4.4	6	N/C	18	1.5	6	1.5	36	N/C	66	0.0	96	0.0	12	2.5
13	N/C	43	4.4	7	N/C	19	1.5	7	1.5	37	N/C	67	1.9	97	0.0	13	2.4
14	4.5	44	N/C	8	GND	20	5.0	8	1.5	38	N/C	68	1.9	98	0.5	14	GNI
15	4.5	45	N/C	9	6.0	21	GND	9	1.5	39	N/C	69	1.9	99	1.7	15	0
16	4.5	46	GND	10	N/C	22	1.7	10	1.0	40	GND	70	1.8	100	3.3	16	4.8
17	4.5	47	N/C	11	GND	23	1.5	11	2.8	41	0.0	71	1.6	IC2	005	All volta	ages are i
18	0.0	48	GND	12	8.9	24	1.6	12	2.5	42	0.0	72	2.0	pin	volt		
19	4.5	49	4.5	13	GND	25	1.6	13	1.3	43	0.0	73	1.7	IN	5.0		
20	4.5	50	4.5	14	4.7	26	1.6	14	1.4	44	0.0	74	1.5	OUT	3.3		
21	4.5	51	N/C	15	4.7	27	2.5	15	1.8	45	3.3	75	1.7	GND	GND		
22	4.5	52	4.6	16	8.9	28	1.0	16	1.6	46	3.3	76	4.4	IC2	006		
23	4.5	53	4.4	IC2	003	29	1.0	17	1.6	47	1.9	77	GND	pin	volt		
24	4.5	54	4.6	pin	volt	30	N/C	18	1.7	48	GND	78	GND	IN	8.9		
25	N/C	55	4.4	1	5.0	31	1.4	19	1.7	49	GND	79	GND	OUT	5.0		
26	N/C	56	4.4	2	1.7	32	1.5	20	1.7	50	1.5	80	GND	GND	GND		
27	4.5	57	GND	3	1.7	33	1.9	21	1.0	51	N/C	81	3.3		-		
28	4.5	58	4.4	4	1.7	34	1.6	22	1.6	52	N/C	82	1.0				

UX (MAIN) BOARD TRANSISTOR VOLTAGE LIST

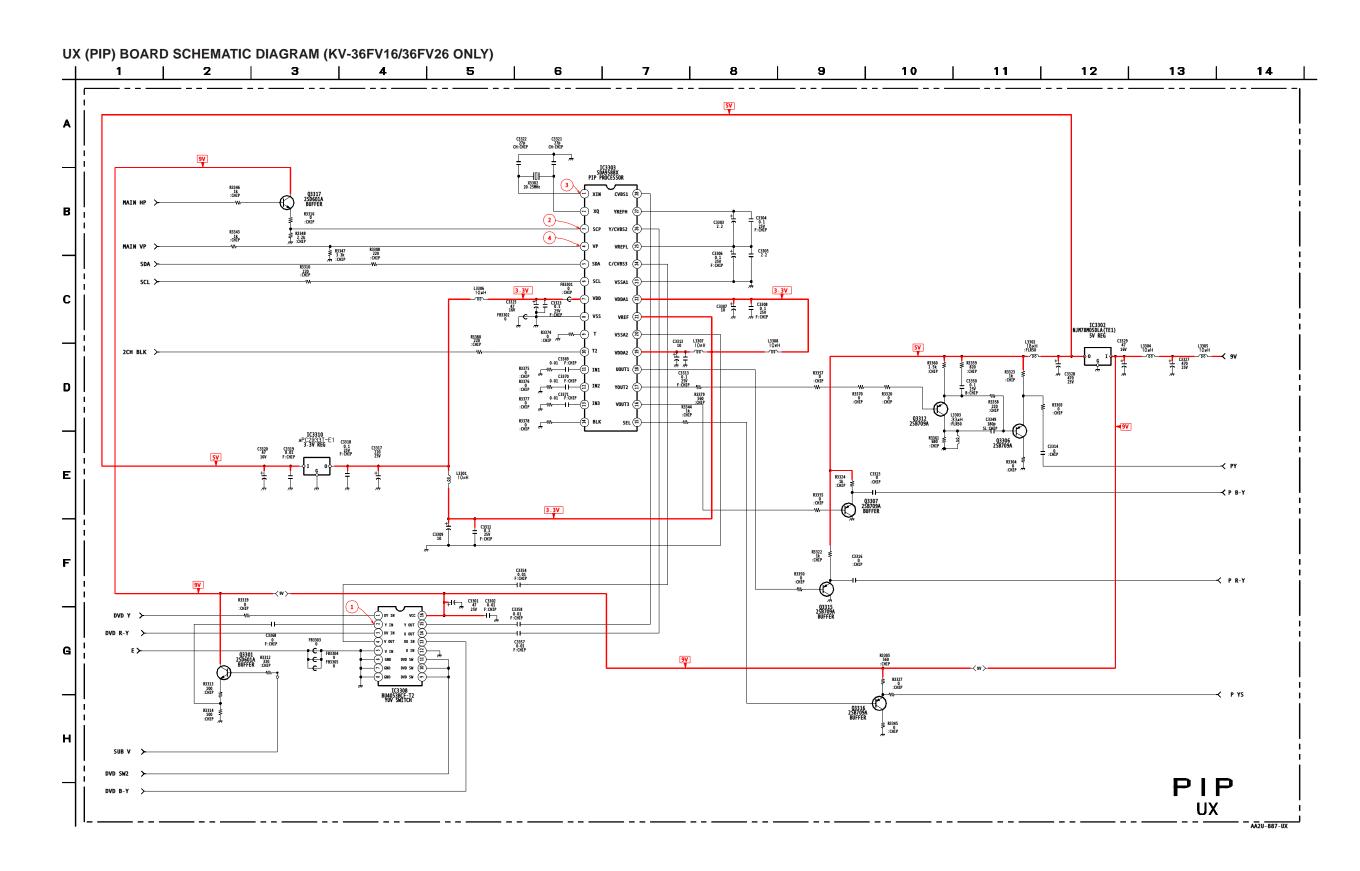
Q2	201	Q2	208	Q2	235	Q	263	Q1:	203	Q2	003	Q2	010	Q2	017
pin	volt	pin	volt												
В	2.6	В	3.9	В	0.1	В	4.5	В	0.0	В	1.7	В	5.2	В	4.6
С	2.6	С	8.9	С	0	С	GND	С	4.4	С	GND	С	8.3	С	8.3
Е	8.8	Е	3.2	Е	GND	Е	5.1	Е	GND	Е	2.4	Е	4.3	Е	3.9
Q2	202	Q2	209	Q2	236	Q2	264	Q1:	204	Q2	004	Q2	011	Q2	018
pin	volt	pin	volt												
В	2.6	В	3.9	В	0.1	В	4.2	В	8.4	В	1.7	В	0.1	В	1.2
С	7.9	С	8.9	С	0	С	GND	С	0.0	С	GND	С	4.4	С	GND
E	2.0	Е	3.2	Е	GND	E	4.8	Е	8.9	E	2.3	E	GND	E	1.9
Q2	203	Q2	210	Q2	237	Q2	265	Q1:	205	Q2	005	Q2	012	Q2	019
pin	volt	pin	volt												
В	2.6	В	2.6	В	4.4	В	4.7	В	4.4	В	2.8	В	1.8	В	1.9
С	7.9	С	8.9	С	GND	С	8.9	С	8.9	С	8.3	С	GND	С	0.0
E	2.0	E	2.0	Е	5.1	E	4.1	Е	3.9	E	2.2	E	2.5	E	2.3
Q2	204	Q2	211	Q2	238	Q2	268	Q1:	206	Q2	006	Q2	013	Q2	119
pin	volt	pin	volt												
В	8.8	В	2.6	В	4.6	В	4.5	В	4.4	В	7.0	В	4.9	В	1.9
С	8.8	С	8.9	С	GND	С	GND	C	8.9	С	8.9	С	0.5	С	GND
Е	2.6	Е	2.0	Е	5.2	Е	5.1	Е	3.8	Е	6.4	Е	5.0	Е	2.3
Q2	205	Q2	231	Q2	239	Q1	051	Q1:	207	Q2	007	Q2	014	All volta	ages are in V
pin	volt														
В	7.9	В	0	В	4.6	В	8.9	В	8.9	В	2.2	В	5.2		
С	3.9	С	5.1	С	GND	С	-0.1	С	3.8	С	4.4	С	8.3		
Е	8.5	E	GND	Е	5.2	E	8.8	E	9.0	E	1.6	E	4.6		
Q2	206	Q2	233	Q2	246	Q1	201	Q1:	208	Q2	800	Q2	015		
pin	volt														
В	7.9	В	0.2	В	0.4	В	8.4	В	8.9	В	2.1	В	3.4		
С	3.9	С	0	С	5.1	С	0	С	3.8	С	5.2	С	4.9		
E	8.6	E	GND	Е	GND	E	8.9	E	9.0	E	1.5	E	3.6		
Q2	207	Q2	234	Q2	262	Q1	202	Q2	001	Q2	009	Q2	016		
pin	volt														
В	2.6	В	0.2	В	3.8	В	0.0	В	3.3	В	4.4	В	2.6		
С	1.9	С	0	С	GND	С	4.4	С	4.9	С	8.9	С	8.3		
Е	8.9	E	GND	E	4.5	E	GND	E	2.7	E	3.8	E	2.0		

UX (MAIN) BOARD MARK (*) LIST

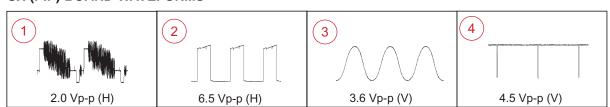
REF. NO.	LOCATION	KV-36FV16	KV-36FV26	REF. NO.	LOCATION	KV-36FV16	KV-36FV26
C2001	H-13	#	22PF	R2002	H-13	#	10K
C2004	H-13	#	22PF	R2003	H-12	#	33K
C2007	G-14	#	1000µF 10V	R2004	H-11	#	2.2K
C2008	G-14	#	0.1µF 25V	R2005	H-11	#	0
C2013	H-12	#	0.1µF 25V	R2006	I-11	#	4.7K
C2014	H-12	#	0.001µF	R2007	H-12	#	470
C2019	H-12	#	1µF	R2008	H-12	#	100
C2051	D-17	#	10μF	R2009	H-12	#	100
C2072	I-13	#	100µF 16V	R2010	H-12	#	10
C2074	H-12	#	0.001µF	R2022	I-14	#	1K
IC2009	H-13	#	CXD2085M-T4	R2023	H-14	#	1K
L2001	G-12	#	560µH	R2065	D-19	#	1K
Q2001	H-12	#	2SD601A-QRS-TX	R2103	D-19	#	47
Q2017	D-19	#	2SD601A-QRS-TX	X2002	H-13	#	1-767-367-21
R2001	G-13	#	10K				#: Not Mounted

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UX (PIP) BOARD WAVEFORMS

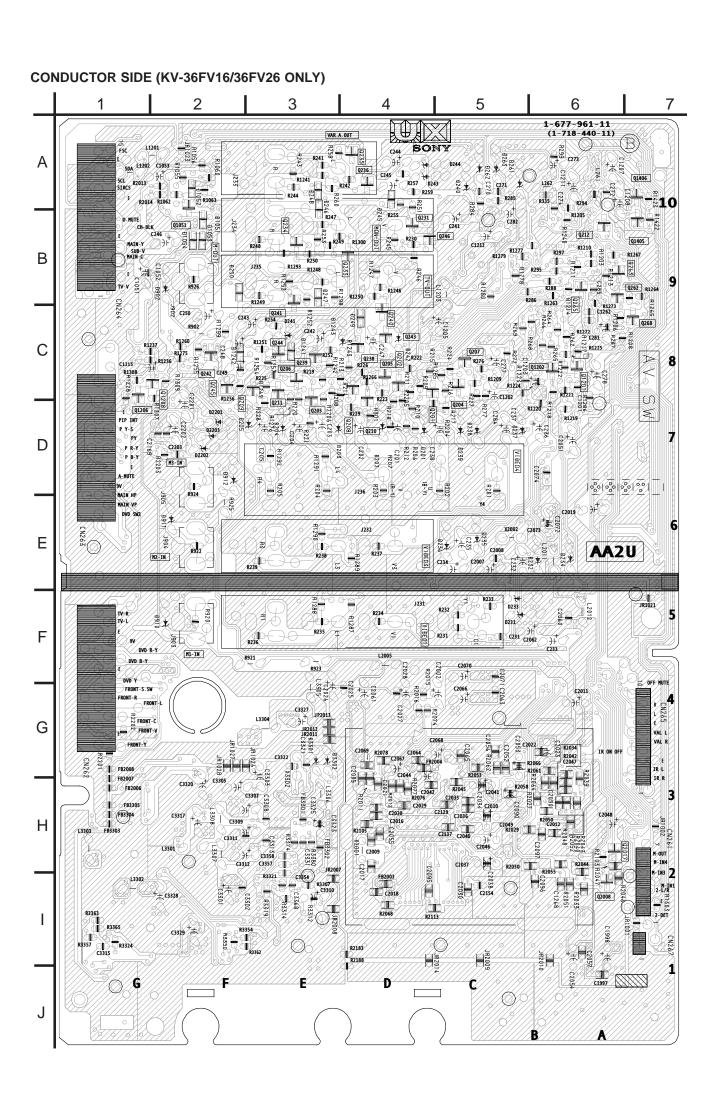


Q3:	301	Q3	307	Q3	315	Q3:	317
pin	volt	pin	volt	pin	volt	pin	volt
В	5.2	В	0.1	В	0.5	В	0.2
С	8.6	С	GND	С	1.2	С	0.7
Е	4.5	E	0.7	Е	GND	Е	8.7
Q3:	306	Q3	312	Q3	316	All volta	ges are in V
pin	volt	pin	volt	pin	volt		
В	0.6	В	0	В	0		
С	0	С	0	С	0.8		
Е	1.2	Е	0.6	Е	0		

UX (PIP) BOARD IC VOLTAGE LIST

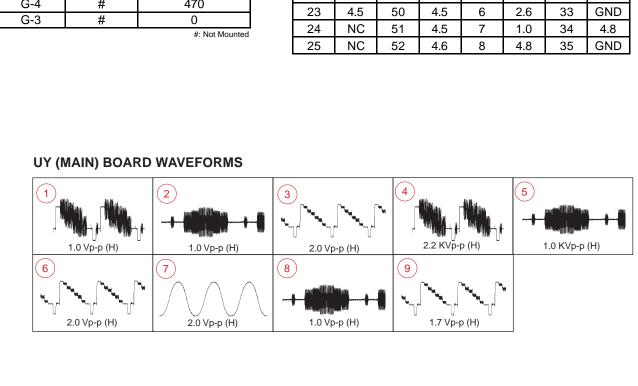
IC3	302	18	0.5	12	2.7
pin	volt	19	3.3	13	3.2
IN	8.7	20	GND	14	2.7
OUT	5.1	21	3.3	15	2.7
GND	GND	22	3.3	16	8.5
IC3	303	23	GND	IC3	310
pin	volt	24	2.7	pin	volt
1	3.6	25	1.5	IN	5.0
2	3.6	26	2.7	OUT	3.3
3	6.5	27	1.5	GND	GND
4	4.5	28	2.7	All volta	ges are in V
5	4.7	IC3	308		
6	4.7	pin	volt		
7	3.3	1	3.5		
8	0.1	2	2.7		
9	1.2	3	3.2		
10	3.3	4	2.7		
11	1.2	5	2.7		
12	1.2	6	GND		
13	1.2	7	GND		
14	1.2	8	GND		
15	0.0	9	0.3		
16	0.1	10	0.3		
17	0.0	11	0.3		

[3D DIGITAL COMB FILTER, AV SW, PIP] COMPONENT SIDE (KV-36FV16/36FV26 ONLY) SCREEN ADJ VR FOCUS ADJ. VR



UX BOARD LOCATOR LIST

	DIODE			COMP	COND		IC			COMP	COND		COMP	COND		COMP	COND		COMP	COND
	COMP	COND	D245		B-5		COMP	COND	Q202		C-4	Q237	J-4	-	Q1206	1	D-1	Q2014	C-5	
D201	G-4		D246		B-3	IC261	H-6		Q203		D-3	Q238	-	C-4	Q1207	H-6	-	Q2015	D-5	
D202	G-4		D248		A-3	IC1051	J-3		Q204		D-5	Q239	-	C-3	Q1208	1	C-2	Q2016	D-6	
D203	G-3		D261		A-5	IC2003	B-4		Q205		C-4	Q246	-	B-4	Q2001	G-7	-	Q2017		H-6
D204	G-3		D902	I-2		IC2004	C-4		Q206		C-3	Q262	-	B-7	Q2003	C-5	-	Q2018	D-5	
D205		D-3	D910	E-2		IC2005	D-5		Q207		C-5	Q263		B-6	Q2004	B-5		Q2019	D-4	
D231	E-5		D911		E-2	IC2006	E-6		Q208		D-3	Q264	I-6		Q2005	B-6		Q2119	C-4	
D232	E-6		D912	G-2		IC2009	F-5		Q209		C-2	Q265		B-6	Q2006	C-6		Q3301	B-3	
D233	E-5		D1051		B-2	IC3302	B-1		Q210		D-4	Q268		C-7	Q2007	C-6		Q3306	B-1	
D234	E-6		D1052		A-2	IC3303	B-3		Q211		C-4	Q1051		B-2	Q2008		I-6	Q3307	B-1	
D235	F-5		D1053		B-2	IC3308	B-2		Q231		B-4	Q1201		C-6	Q2009	C-6		Q3312	B-1	
D236	E-5		D1054		B-2	IC3310	B-3		Q233		B-4	Q1202		C-5	Q2010	B-6		Q3315	B-2	
D237	G-5		D2201		D-2	TR	ANSIST	OR	Q234		B-3	Q1203	H-2		Q2011	D-5		Q3316	B-2	
D238	G-5		D2202		D-2		COMP	COND	Q235		A-4	Q1204	G-2		Q2012	C-5		Q3317	C-2	
D239	G-5		D2203		D-2	Q201	D-4		Q236		A-4	Q1205	G-6		Q2013	C-5				



KEI . 140.	LOOKIION	14 501 512	14 301 313
CN261	A-11	#	7P
Q202	G-3	#	2SD601A-QRS-TX
Q203	H-4	#	2SD601A-QRS-TX
Q205	G-4	#	2SB709A-QRS-TX
Q206	H-4	#	2SB709A-QRS-TX
Q207	G-5	#	2SD601A-QRS-TX
Q208	G-5	#	2SD601A-QRS-TX
Q209	H-5	#	2SD601A-QRS-TX
R216	G-3	#	100
R218	G-3	#	470
R219	G-4	#	1K
R220	H-4	#	100
R221	H-4	#	470
R222	G-4	#	1K
R223	G-4	#	100
R225	G-4	#	100
R226	G-4	#	100
R227	G-5	#	470
R228	H-5	#	1K
R229	H-5	#	1K
R290	F-8	#	100
R1266	G-4	#	470
R1269	H-4	#	470
R1277	G-9	#	100
R1285	G-4	#	470
R2204	G-3	#	0

Y (IVI	AIN) BO	JAKU I	C VOL	IAGE	LIST				
IC	261	26	NC	53	4.4	9	1.0	36	GND
pin	volt	27	4.5	54	4.6	10	0	37	2.3
1	4.5	28	4.5	55	4.4	11	2.7	38	4.8
2	4.5	29	4.5	56	4.4	12	2.0	39	GND
3	4.5	30	0	57	GND	13	2.0	40	2.2
4	4.5	31	4.7	58	4.4	14	1.0	41	2.2
5	4.5	32	4.7	59	4.5	15	GND	42	3.3
6	4.5	33	GND	60	4.5	16	4.8	43	0
7	4.5	34	NC	61	4.5	17	0.3	44	3.3
8	4.5	35	4.2	62	4.5	18	GND	45	4.8
9	NC	36	NC	63	4.5	19	0.3	46	4.8
10	4.5	37	GND	64	4.5	20	0	47	GND
11	NC	38	NC	IC2	006	21	4.8	48	GND
12	0	39	9	pin	volt	22	4.8	All volta	ages are in
13	4.5	40	NC	IN	9.0	23	0		
14	4.5	41	NC	OUT	4.9	24	0		
15	4.5	42	4.4	GND	GND	25	0		
16	4.5	43	NC	IC3	504	26	0		
17	4.5	44	NC	pin	volt	27	4.8		
18	0	45	NC	1	1.4	28	GND		
19	4.5	46	GND	2	1.4	29	GND		
20	4.5	47	NC	3	0.5	30	GND		
21	4.5	48	GND	4	0	31	GND		
22	4.5	49	4.5	5	4.8	32	GND		
23	4.5	50	4.5	6	2.6	33	GND		
24	NC	51	4.5	7	1.0	34	4.8		
25	NC	52	4.6	8	4.8	35	GND		

UY (MAIN) BOARD IC VOLTAGE LIST

С	8.1	С	9.1	С	GND	С	4.4	С	3.8	С	4.6
Е	2.1	Е	3.4	Ш	5.2	Е	GND	Е	9.0	Е	1.6
Q2	203	Q2	210	Q2	263	Q1	203	Q2	003	Q2	009
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
В	2.7	В	2.7	В	4.6	В	0	В	1.1	В	4.4
С	8.1	С	9.1	С	GND	С	4.4	С	GND	С	9.1
Е	2.1	Е	2.1	Е	5.2	Е	GND	Е	1.8	Е	3.7
Q2	205	Q2	211	Q2	264	Q1	204	Q2	004	Q2	010
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
В	8.1	В	2.7	В	4.4	В	8.6	В	1.1	В	4.6
С	4.1	C	9.1	C	GND	C	0	C	GND	C	9.1
Е	8.7	Е	2.1	Е	5.0	E	9.1	Е	1.8	Е	3.9
Q2	206	Q2	212	Q2	265	Q1	205	Q2	005	Q2	014
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
В	8.1	В	4.6	В	4.5	В	4.6	В	4.5	В	5.1
С	4.1	C	9.1	C	9.1	C	9.1	C	9.1	C	9.1
Е	8.7	Е	3.9	Е	3.8	Е	4.0	Е	3.8	Е	4.4
Q2	207	Q2	235	Q1051		Q1206		Q2006		Q2018	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
В	2.6	В	-0.1	В	9.1	В	4.6	В	4.5	В	4.1
С	1.9	С	0	С	-1.4	С	9.1	С	9.1	С	GND
Е	8.9	E	GND	E	9.0	E	4.0	E	3.9	Е	4.8
Q2	208	Q2	236	Q1:	201	Q1	207	Q2	007	Q2	019
	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
pin					2	В	8.9	В	2.3	В	5.2
В	4	В	-0.1	В	8.6	Ь	0.9	D	2.0	ט	0.2
•	4 9.1	ВС	-0.1 0	С	0.8	С	3.8	С	4.4	С	9.1

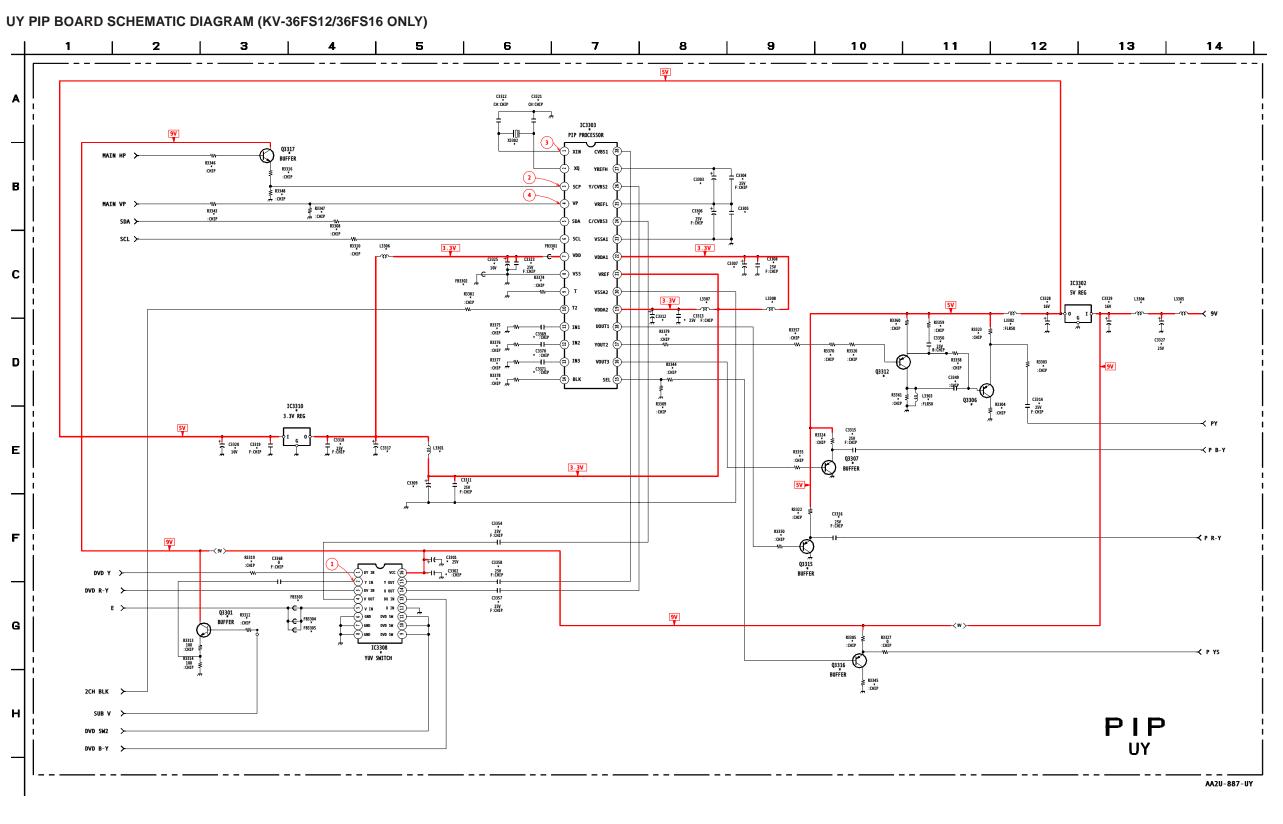
UY (MAIN) BOARD TRANSISTOR VOLTAGE LI	ST
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 Q202
 Q209
 Q262
 Q1202
 Q1208
 Q2008

 pin
 volt
 pin
 <td

1 2	AM (KV-36FS12/36FS16 ONLY) 3	6 7 8 9 10		3 14 15 16	17 18 19	20 UY (MAIN) BOARD TRANSI Q202 Q209 pin volt pin volt
		15P 15P 18T0B-S TO A HOUNT SS NEW TO UY PIP BOARD CN272 SA NEW TO UY PIP BOARD	CN261 WHT :S-HICRO TO AK HOUNT CN1467			B 2.7 B 4 C 8.1 C 9.1 E 2.1 E 3.4
J231 3P						Q203 Q210 pin volt pin volt B 2.7 B 2.7
DEO1 R231 C231 C231 C31 C3	D231	AND SECTION OF SECTION			PIRIS	C 8.1 C 9.1 E 2.1 E 2.1 Q205 Q211
W D233 W HTZJ-T-9110 PROTECTOR	C233 25V 31L	S ≥ ≥	ejr	VIDEO	C2002 22k 27 :CRUP 25V W	pin volt pin volt B 8.1 B 2.7 C 4.1 C 9.1
D	0234	01207 258709A BUFFER C1201 S50 0.507 \$ \$60, \$60,	:0	L2009 107H	2016 2019	E 8.7 E 2.1
R STATE OF THE STA	w)	R1219		C3570 C3569 C3569 C3571 C3568 R3594	NO 5600 R2070 R2070 R2070 R2070 R2070 R2071 S CMIP R2071 FL2004 O2014	B 8.1 B 4.6 C 4.1 C 9.1 E 8.7 E 3.9
		100 C100	0265 256601A BUFFER	R3599 C3578 R3591 C3578 R3591 R3595 R359	R2060 (i — i — 250601A 250601A BUFFER 100	Q207 Q235 pin volt pin volt B 2.6 B -0.1
	<u>9V</u>	71 +1¢ VIDEO C281 - 81764	BUFFER BUFFFR BUFFER BUFFFR BUFFFR BUFFFR BUFFFR BUFFFR BU	77) FIN DTR (1)	TO C2009 R3551 0 :OHIP SV RE6	C 1.9 C 0 E 8.9 E GND Q208 Q236
J232 3P	C236 237 254 31 ₊	JL8 O SHIPP R1273 1.88-CP C SHIPP SHIPP C 470	C1262 22K : ONIP C1357 0 07 - 1	3 R3593 R3592 77 40 MCKO VEH2 (1) 7 : S017 : S017 (4) ADCK VEH3 (1) - W	83596 0; CHIP R3596 1 00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	pin volt pin volt B 4 B -0.1 C 9.1 C 0
\$ 8237 #: OHIP	D237 PROTECTOR W) 1 289 011 C238 HTZ1-T-9110 PROTECTOR MTZ1-T-9110 PROTECTOR	VIDEO C278		C3575	C2060 + C2062 - T F:001 + C2062 - T F:001 + C2062	E 3.4 E GND
R R239 R3 470K : COIIP : CO	W) 1	AUDIO-L AUDIO-R AUDIO-R		1001 0 10 10 10 10 10 10 10 10 10 10 10	R2017 = R2018 = TOHIP TECHIP	; ;
		2 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6		C3556 — — — — — — — — — — — — — — — — — —	C3964 1.257 F.CMIP	UY (MAIN) BOARD MARK (*) LIST
	R1209 0 : CHIP 	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		VIDEO C3588	R3584 2.7k	REF. NO. LOCATION KV-36FS12 KV-36FS16 CN261 A-11 # 7P Q202 G-3 # 2SD601A-QRS
J236 R206 R209	9V R2204 R216 :OHP ₹ R1285	100 Chilp 1 1 1 1 1 1 1 1 1	W. ±1(W. 890 (121)		,	Q203 H-4 # 2SD601A-QRS- Q205 G-4 # 2SB709A-QRS- Q206 H-4 # 2SB709A-QRS-
VIDEO4 VIDEO4 VI	COLIP COLI		AUDIO-L AUDIO-L R1205 AUDIO-L R1205 R1205 R1205 R1205 R1205 R101P	R3582	•	Q207 G-5 # 2SD601A-QRS Q208 G-5 # 2SD601A-QRS Q209 H-5 # 2SD601A-QRS
R-Y Crit 250 MT2.1-9110 R202 R207 S207 S207 S207 S207 S207 S207 S207 S	COMIP COMIP R218 R218 R218 R226 R228 R228 R226 R228 R228	R269		9		R216 G-3 # 100 R218 G-3 # 470 R219 G-4 # 1K
RESULT OF THE PROTECTION OF TH	BUFFER BUFFER 7. UNIP R221 R220 R1269 :M-CP R8-CP CHIP BUFFER	(2) R3 (2) B: CHIP (2) C3 (2) TV OUT (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		¥ 82032	Q2005	R220 H-4 # 100 R221 H-4 # 470 R222 G-4 # 1K
R1292 C205 PROTECTOR	7210 258601A BUFFER 228	CSM 0.1 25V B:CHIP	FFER JUST STATE OF THE STATE OF	R2028 R2030 C2095 CHIP C	250601A	R223 G-4 # 100 R225 G-4 # 100 R226 G-4 # 100
	R301 BUFFER 1k 1k 1k 1k 1k 1k 1k 1k 1k 1	C285	N. I RE	7258709A 77 FL2002 T C168 T20p 6 6 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Signification of the cut of the c	R227 G-5 # 470 R228 H-5 # 1K R229 H-5 # 1K
J233 2P R242 2016014	Gu NG			C R2027 F R2029 CHIP W CRUP CRUP CRUP CRUP CRUP CRUP CRUP CRUP	R2031 R2021 R2040 R2043	R290 F-8 # 100 R1266 G-4 # 470 R1269 H-4 # 470
VAR. OR FIX OUT R241 N. R258 706 R244 2.2k :CHIP N. CHIP N. CHIP		AUDIO-L AUDIO-R		Q2003 2SB709A BUFFER	SCHIP SCHI	R1277 G-9 # 100 R1285 G-4 # 470 R2204 G-3 # 0
R243 W	R259 1k 1cHP	<9V>	D1053 D1054 CMIP CMIP	D1051 MA111-TX PROTECTOR R1063 10k) H	#: Not Mo
 		R1367 R1307 R1300 R13	1201 1202	1052 1052	JR1022	
		D2201 C2203 R3227 100 PROTECTOR 77 T T T T T T T T T T T T T T T T T T	R1237 SON OUTP JL1 C RES FIRSO FIRSO FIRSO SON SON	TCIGGS JRIQUE W COMP 200 COMP JRIQUE TOTAL TOTAL	JR1023 # # #	I IIV (MAIN) DOADD WAVEEDD
; 		C2201 +	± C1215 VIDEO		3D LINE COMB FILTER	UY (MAIN) BOARD WAVEFORM
	DVD Y >	AldD10-L "" "	VIDEO VIDEO		UY 3D LINE COMB FILTER AV SW PIP	1.0 Vp-p (H) 1.0 Vp-p
		## 12201 75 : CRIP	ADDIO-R			A2U-887-UY

← UX PIP Board UY Main Board →



UY (PIP) BOARD IC VOLTAGE LIST

IC3	302	11	1.2	28	2.7	15	2.7
pin	volt	12	1.2	IC3	308	16	8.5
IN	8.7	13	1.2	pin	volt	IC3	310
OUT	5.1	14	1.2	1	3.5	pin	volt
GND	GND	15	0.0	2	2.7	IN	5.0
IC3	303	16	0.1	3	3.2	OUT	3.3
pin	volt	17	0.0	4	2.7	GND	GND
1	3.6	18	0.5	5	2.7	All vol	tages are in V
2	3.6	19	3.3	6	GND		
3	6.5	20	GND	7	GND		
4	4.5	21	3.3	8	GND		
5	4.7	22	3.3	9	0.3		
6	4.7	23	GND	10	0.3		
7	3.3	24	2.7	11	0.3		
8	0.1	25	1.5	12	2.7		
9	1.2	26	2.7	13	3.2		
10	3.3	27	1.5	14	2.7		

COMPONENT SIDE (KV-36FS12/36FS16 ONLY) SCREEN ADJ VR FOCUS ADJ. VR

[3D DIGITAL, COMB FILTER, AV SW, AUDIO CONTROL, SRS, PIP ENCODE, CHROMA DECODE]

UY BOARD LOCATOR LIST | DIODE | COMP | COND | COND | COND | COND | COMP | COND | D233 E-5 - D2203 - D-2 Q207 - C-5 Q1203 H-2 - Q2018 D-5 - D234 E-6 - IC Q208 - D-3 Q1204 G-2 - Q2019 D-4 - D235 F-5 - COMP COND Q209 - C-2 Q1205 G-6 - Q3301 B-3 - D236 E-5 - IC261 H-6 - Q210 - D-4 Q1206 - D-1 Q3306 - B-1 D237 G-5 - IC2006 E-6 - Q211 - C-4 Q1207 H-6 - Q3307 B-1 - D238 G-5 - IC3302 B-1 - Q212 - B-6 Q1208 - C-2 Q3312 B-1 - D239 G-5 -

CONDUCTOR SIDE (KV-36FS12/36FS16 ONLY)

UY (PIP) BOARD TRANSISTOR VOLTAGE LIST

6.5 Vp-p (H)

Q3:	301	Q3:	306	Q3	307	Q3	312	Q3	315	Q3	316	Q3:	317
pin	volt												
В	5.2	В	0.6	В	0.1	В	0.0	В	0.5	В	0.0	В	0.2
С	8.6	С	0.0	С	GND	С	0.0	С	1.2	С	0.8	С	0.7
Е	4.5	Е	1.2	Е	0.7	Е	0.6	Е	GND	Е	0.0	Е	8.7

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3.6 Vp-p (V)

UY (PIP)	BOARD	MARK	(*)	LIST
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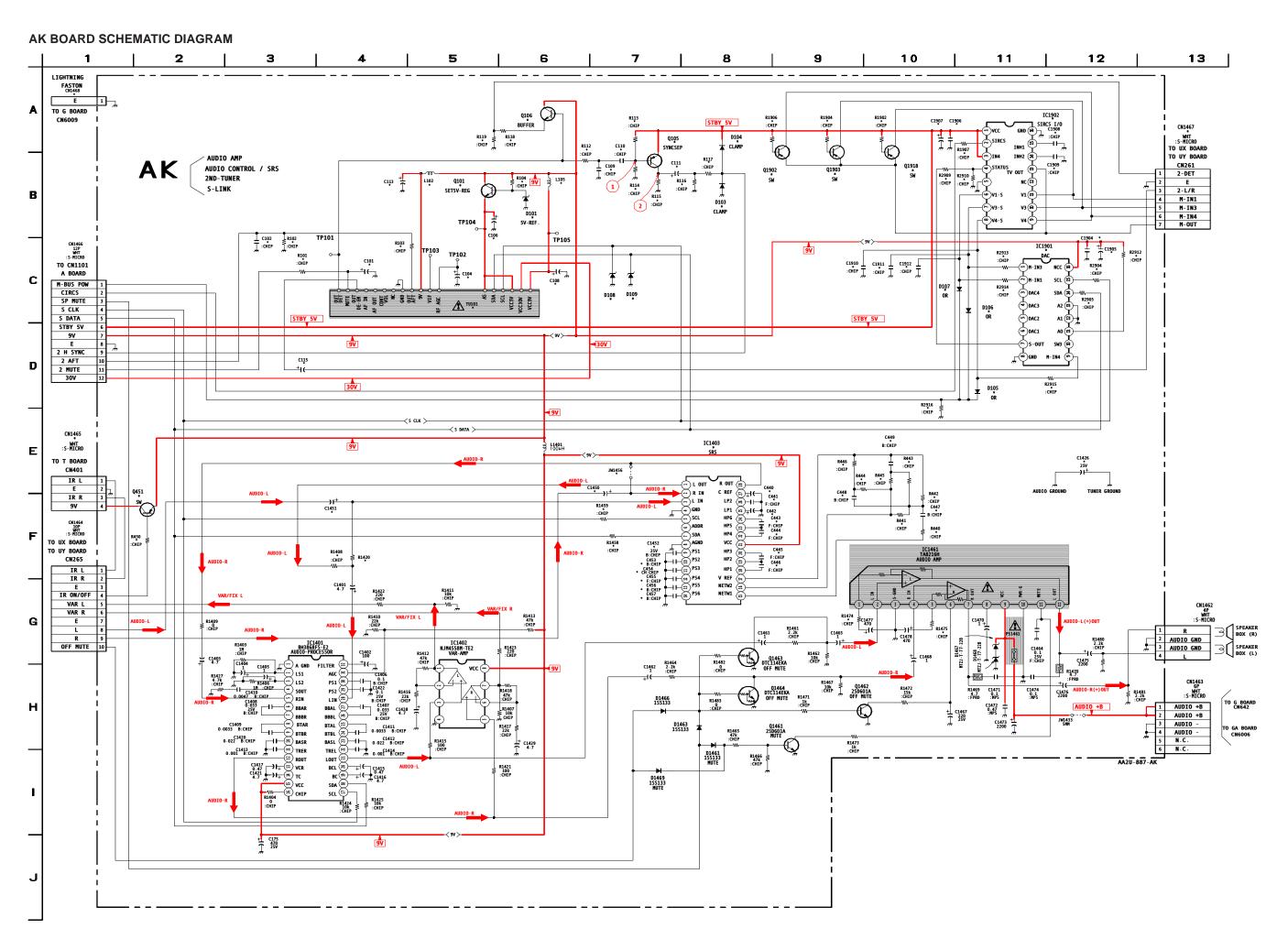
UY (PIP) BOARD WAVEFORMS

2.0 Vp-p (H)

REF. NO.	LOCATION	KV-36FS12	KV-36FS16	REF. NO	. LOCATION	KV-36FS12	KV-36FS16	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	REF. NO.	LOCATION	KV-36FS12	KV-36FS16
C3301	F-5	#	47µF 25V	C3319	E-3	#	.01µF	C3371	D-6	#	.01µF	L3308	C-8	#	10μH	R3316	B-3	#	0	R3360	D-11	#	1.5K
C3302	F-5	#	.01µF	C3320	E-3	#	47µF	FB3301	C-7	#	0	Q3301	G-3	#	2SD601A-QRS-TX	R3319	F-3	#	0	R3361	D-10	#	680
C3303	B-8	#	2.2µF	C3321	A-6	#	27PF	FB3302	C-6	#	0μΗ	Q3306	D-12	#	2SB709A-QRS-TX	R3320	D-10	#	0	R3363	D-9	#	560
C3304	B-9	#	.1µF 25V	C3322	A-6	#	27PF	FB3303	G-4	#	0μΗ	Q3307	E-10	#	2SB709A-QRS-TX	R3322	F-9	#	1K	R3370	D-10	#	0
C3305	B-9	#	2.2µF	C3323	C-6	#	.1µF 25V	FB3304	G-4	#	0μΗ	Q3312	D-10	#	2SB709A-QRS-TX	R3323	D-11	#	1K	R3374	C-6	#	0
C3306	B-8	#	.1µF 25V	C3325	C-6	#	47µF 16V	FB3305	G-4	#	0μΗ	Q3315	F-9	#	2SB709A-QRS-TX	R3324	E-10	#	1K	R3375	D-6	#	0
C3307	C-9	#	10μF	C3327	D-13	#	470µF 25V	IC3302	C-13	#	NJM78M05DLA (TE1)	Q3316	H-10	#	2SB709A-QRS-TX	R3343	B-3	#	1K	R3376	D-6	#	0
C3308	C-9	#	.1µF 25V	C3328	C-12	#	470µF 10V	IC3303	A-7	#	SDA9588X	Q3317	B-3	#	2SD601A-QRS-TX	R3344	D-8	#	1K	R3377	D-6	#	0
C3309	E-5	#	10μF	C3329	C-13	#	47μF 16V	IC3308	F-5	#	BU4053BCF-T2	R3303	D-12	#	0	R3345	H-10	#	0	R3378	D-6	#	0
C3311	E-5	#	.1µF 25V	C3349	D-11	#	180PF	IC3310	E-4	#	UPC2933T-E1	R3304	D-12	#	0	R3346	B-3	#	1K	R3379	D-8	#	560
C3312	D-8	#	10μF	C3350	D-11	#	.1µF 25V	L3301	D-5	#	10μH	R3305	G-10	#	560	R3347	B-4	#	3.3K	R3381	C-6	#	220
C3313	D-8	#	.1µF 25V	C3354	F-6	#	.01µF	L3302	D-12	#	18µH	R3308	B-4	#	220	R3348	B-3	#	2.2K	X3302	A-6	#	1-781-929-21
C3314	B-8	#	0	C3357	G-6	#	.01µF	L3303	D-11	#	33µH	R3309	D-8	#	470	R3350	F-9	#	0				#: Not Mounted
C3315	E-10	#	0	C3358	G-6	#	.01µF	L3304	C-13	#	10μH	R3310	C-4	#	220	R3355	E-9	#	0				
C3316	F-10	#	0	C3368	F-3	#	0	L3305	C-13	#	10µH	R3312	G-3	#	330	R3357	D-9	#	0				
C3317	E-5	#	220µF 25V	C3369	D-6	#	.01µF	L3306	C-5	#	10µH	R3313	G-2	#	470	R3358	D-11	#	220				
C3318	E-4	#	.1µF 25V	C3370	D-6	#	.01µF	L3307	C-8	#	10μH	R3314	G-2	#	470	R3359	D-11	#	820				

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4.5 Vp-p (V)

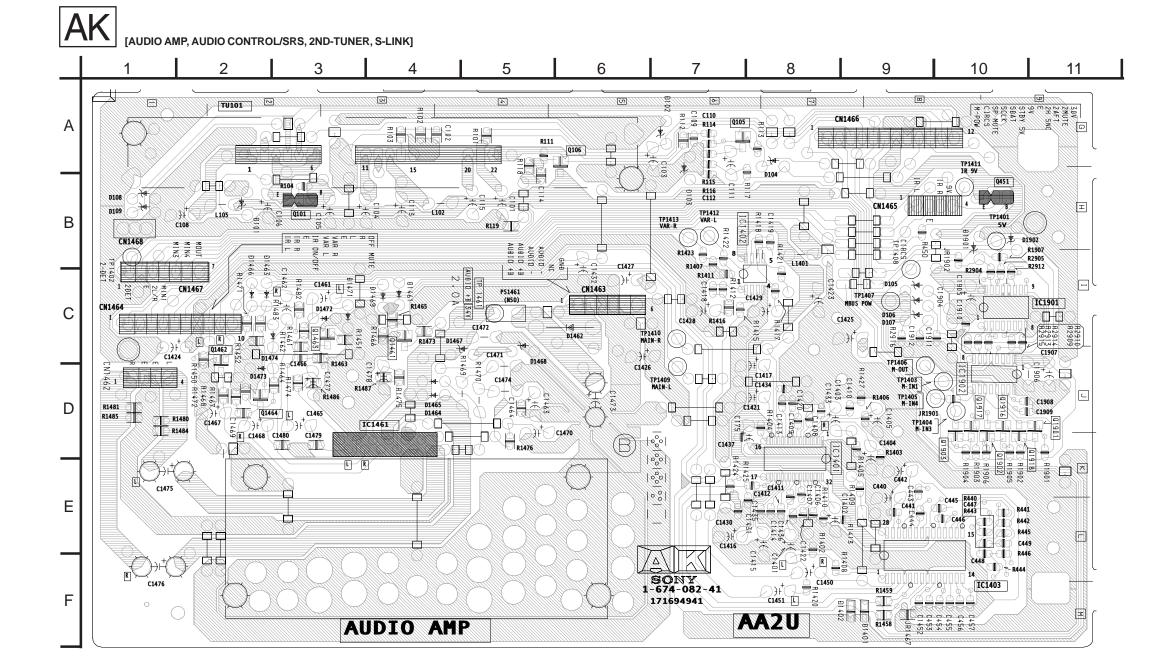


AK BOARD LOCATOR LIST DIODE IC1402 B-6 D101 A-2 IC1403 E-8 D103 A-6 IC1461 D-3 D104 A-6 IC1901 B-8 D105 B-8 IC1902 C-8 D106 B-8 TRANSISTOR D107 C-8 Q101 A-2 D108 A-1 Q105 A-6 D109 B-1 Q106 A-4 D1461 B-3 Q1461 C-3 D1463 B-2 Q1462 C-2 D1466 B-2 Q1463 C-2 D1467 C-4 Q1464 C-2

 D1468
 C-4
 Q1902
 D-8

 D1469
 C-4
 Q1903
 D-9

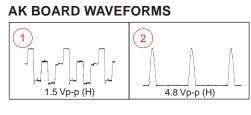
IC Q1918 D-9



AK BOARD IC VOLTAGE LIST

IC1	401	12	4.5	25	4.5	4	GND	7	4.7	20	4.5	3	NC	2	0.4	15	4.7	10	0.7
pin	volt	13	1.0	26	4.5	5	4.5	8	GND	21	9.1	4	0	3	NC	16	9.3	11	0.7
1	GND	14	1.9	27	4.5	6	4.5	9	4.5	22	4.5	5	1.5	4	NC	IC1	902	12	NC
2	0.7	15	9.1	28	4.5	7	4.5	10	4.5	23	4.5	6	11.6	5	NC	pin	volt	13	0
3	1.2	16	9.1	29	4.5	8	9.1	11	4.5	24	4.5	7	16.0	6	NC	1	5.0	14	0.4
4	4.5	17	4.7	30	4.5	IC1	403	12	4.5	25	4.5	8	5.1	7	0.4	2	3.9	15	0.4
5	4.5	18	4.7	31	2.9	pin	volt	13	4.5	26	4.5	9	34.5	8	GND	3	5.0	16	GND
6	4.5	19	1.9	32	4.5	1	3.9	14	4.5	27	4.5	10	0	9	0	4	0.1	All volta	ages are in
7	4.5	20	1.0	IC1	402	2	4.5	15	4.5	28	3.9	11	4.2	10	NC	5	GND		
8	4.5	21	4.5	pin	volt	3	4.5	16	4.5	IC1	461	12	15.7	11	9.3	6	0		
9	4.5	22	4.5	1	4.5	4	GND	17	4.5	pin	volt	IC1	901	12	0	7	0		
10	4.5	23	4.5	2	4.5	5	4.7	18	4.5	1	1.5	pin	volt	13	0	8	0		
11	0	24	4.5	3	4.5	6	NC	19	4.5	2	0	1	0	14	4.7	9	0.7		

TU	101	12	N/C
pin	volt	13	N/C
1	9.3	14	N/C
2	30.2	15	N/C
3	5.1	16	3.1
4	4.7	17	0
5	0	18	4
6	5	All volta	ges are in V
7	7.9		
8	0		
9	9.4		
10	7.9		
11	GND		

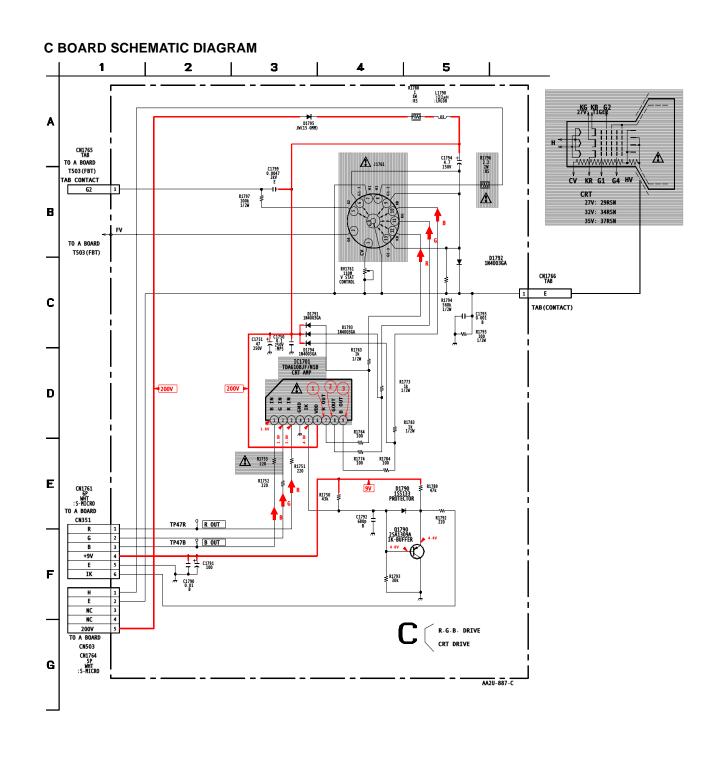


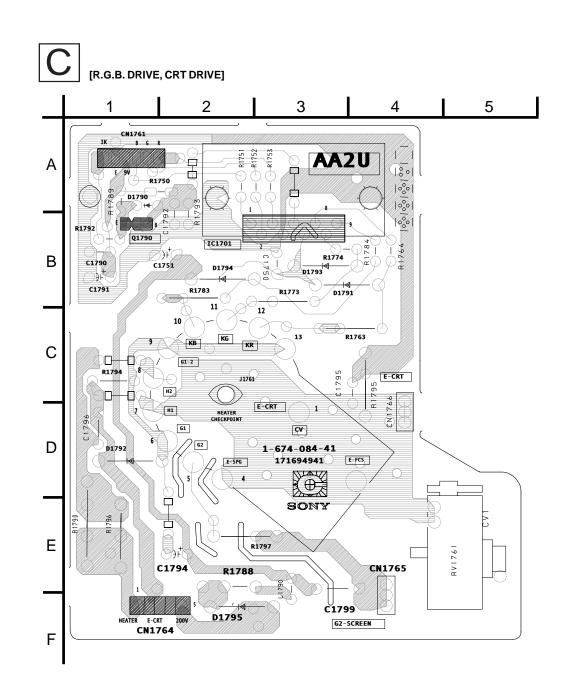
AK BOARD MARK (*) LIST

REF. NO.	LOCATION K	KV-36FS12	KV-36FS16	KV-36FV16	KV-36FV26	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	KV-36FV16	KV-36FV26	REF. NO.	LOCATION K	V-36FS12	KV-36FS16	KV-36FV16	KV-36FV26	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	KV-36FV16	KV-36FV26	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	KV-36FV16	KV-36FV26
C101	D-4	#	1µF	1µF	1µF	C454	F-7	#	#	470PF	470PF	D103	C-8	#	1SS133T-77	1SS133T-77	1SS133T-77	R102	C-3	#	33K	33K	33K	R1458	F-7	#	#	220	220
C102	C-3	#	0.0022µF	0.0022µF	0.0022µF	C455	F-7	#	#	0.1µF 25V	0.1µF 25V	D104	B-8	#	1SS133T-77	1SS133T-77	1SS133T-77	R103	C-5	#	22K	22K	22K	R1459	F-7	#	#	220	220
C104	D-5	#	10μF	10μF	10μF	C456	G-7	#	#	0.015µF	0.015µF	D105	E-11	#	#	1SS133T-77	1SS133T-77	R104	C-6	#	1K	1K	1K	R1474	G-9	680	680	100	100
C106	C-6	#	47µF 25V	47µF 25V	47µF 25V	C457	G-7	#	#	0.0022µF	0.0022µF	D106	D-11	#	#	1SS133T-77	1SS133T-77	R112	B-7	#	2.2K	2.2K	2.2K	R1475	G-10	680	680	100	100
C108	D-6	#	1000µF 25V	1000µF 25V	1000µF 25V	C1426	E-12	#	470µF 25V	470µF 25V	470µF 25V	D107	D-11	#	#	1SS133T-77	1SS133T-77	R113	B-7	#	100K	100K	100K	R1902	B-10	#	#	10K	10K
C109	B-7	#	220PF	220PF	220PF	C1450	E-7	#	#	4.7µF	4.7µF	D108	D-7	#	MTZJ-T-77-10B	MTZJ-T-77-10B	MTZJ-T-77-10B	R114	B-7	#	1M	1M	1M	R1904	B-9	#	#	10K	10K
C110	B-7	#	0.047µF 25V	0.047µF 25V	0.047µF 25V	C1451	F-4	#	#	4.7µF	4.7µF	D109	D-7	#	MTZJ-T-77-10B	MTZJ-T-77-10B	MTZJ-T-77-10B	R115	C-7	#	10K	10K	10K	R1906	B-9	#	#	10K	10K
C111	C-7	#	1μF	1μF	1µF	C1452	F-7	#	#	0.027µF 25V	0.027µF 25V	IC1403	E-8	#	#	TDA7467D013TR	TDA7467D013TR	R116	C-8	#	10K	10K	10K	R1907	B-11	#	#	220	220
C113	C-5	#	220µF 25V	220µF 25V	220µF 25V	C1904	C-12	#	#	0.01µF	0.01µF	IC1901	D-12	#	#	CXA1315M-T4	CXA1315M-T4	R117	C-8	#	4.7K	4.7K	4.7K	R2904	D-12	#	#	220	220
C115	A-5	#	1μF	1μF	1µF	C1905	C-12	#	#	10μF	10μF	IC1902	B-11	#	#	NJM2145M-TE2	NJM2145M-TE2	R118	A-7	#	470	470	470	R2905	D-12	#	#	220	220
C440	E-8	#	#	22µF	22µF	C1906	B-11	#	#	0.01µF	0.01µF	JW1456	E-7	15MM	15MM	#	#	R119	A-7	#	560	560	560	R2909	C-11	#	#	10K	10K
C441	F-8	#	#	0.1μF 25V	0.1µF 25V	C1907	B-10	#	#	10μF	10µF	L102	C-5	#	10μH	10μH	10µH	R440	F-10	#	#	1K	1K	R2910	C-11	#	#	10K	10K
C442	F-8	#	#	1μF	1μF	C1908	B-12	#	#	0.001µF	0.001µF	L105	C-6	#	100µH	100µH	100µH	R441	F-10	#	#	130K	130K	R2912	C-12	#	#	4.7K	4.7K
C443	F-8	#	#	0.1μF 25V	0.1µF 25V	C1909	B-12	#	#	0.001µF	0.001µF	Q101	C-6	#	2SC3311A-QRSTA	2SC3311A-QRSTA	2SC3311A-QRST/	A R442	E-10	#	#	43K	43K	R2913	C-11	#	#	10K	10K
C444	F-8	#	#	1μF 16V	1μF 16V	C1910	D-10	#	#	0.001µF	0.001µF	Q105	B-7	#	2SB709A-QRS-TX	2SB709A-QRS-TX	2SB709A-QRS-TX	K R443	E-10	#	#	1.5K	1.5K	R2914	D-11	#	#	10K	10K
C445	F-8	#	#	0.1μF 25V	0.1µF 25V	C1911	D-10	#	#	0.001µF	0.001µF	Q106	B-6	#	2SD601A-QRS-TX	#	2SD601A-QRS-TX	X R444	E-10	#	#	47K	47K	R2915	E-12	#	#	10K	10K
C446	F-8	#	#	1μF 16V	1µF 16V	C1912	D-10	#	#	0.001µF	0.001µF	Q451	F-2	#	#	#	2SB734-T-34	R445	E-10	#	#	33K	33K	R2916	E-10	#	#	10K	10K
C447	F-10	#	#	0.47μF 16V	0.47µF 16V	CN1465	F-1	#	#	#	4P	Q1902	B-9	#	#	2SB709A-QRS-TX	(2SB709A-QRS-T)	K R446	E-9	#	#	3.9K	3.9K	TU101	D-5	# 8	8-598-501-20	8-598-501-20	8-598-501-20
C448	E-9	#	#	0.0047µF	0.0047µF	CN1467	C-13	#	7P	7P	7P	Q1903	B-9	#	#		(2SB709A-QRS-T)		F-2	#	#	#	10K						#: Not Mounte
C449	E-10	#	#	0.47μF 16V	0.47µF 16V	CN1468	B-13	#	1P	1P	1P	Q1918	B-10	#	#	2SB709A-QRS-TX	(2SB709A-QRS-T)	K R1408	F-3	#	#	0	0						
C453	F-7	#	#	0.0047µF	0.0047µF	D101	C-6	#	MTZJ-T-77-5.6C	MTZJ-T-77-5.6C	MTZJ-T-77-5.60	R101	D-4	#	4.7K	4.7K	4.7K	R1420	F-4	0	0	#	#						

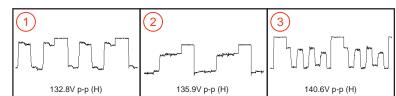
AK BOARD TRANSISTOR VOLTAGE LIST

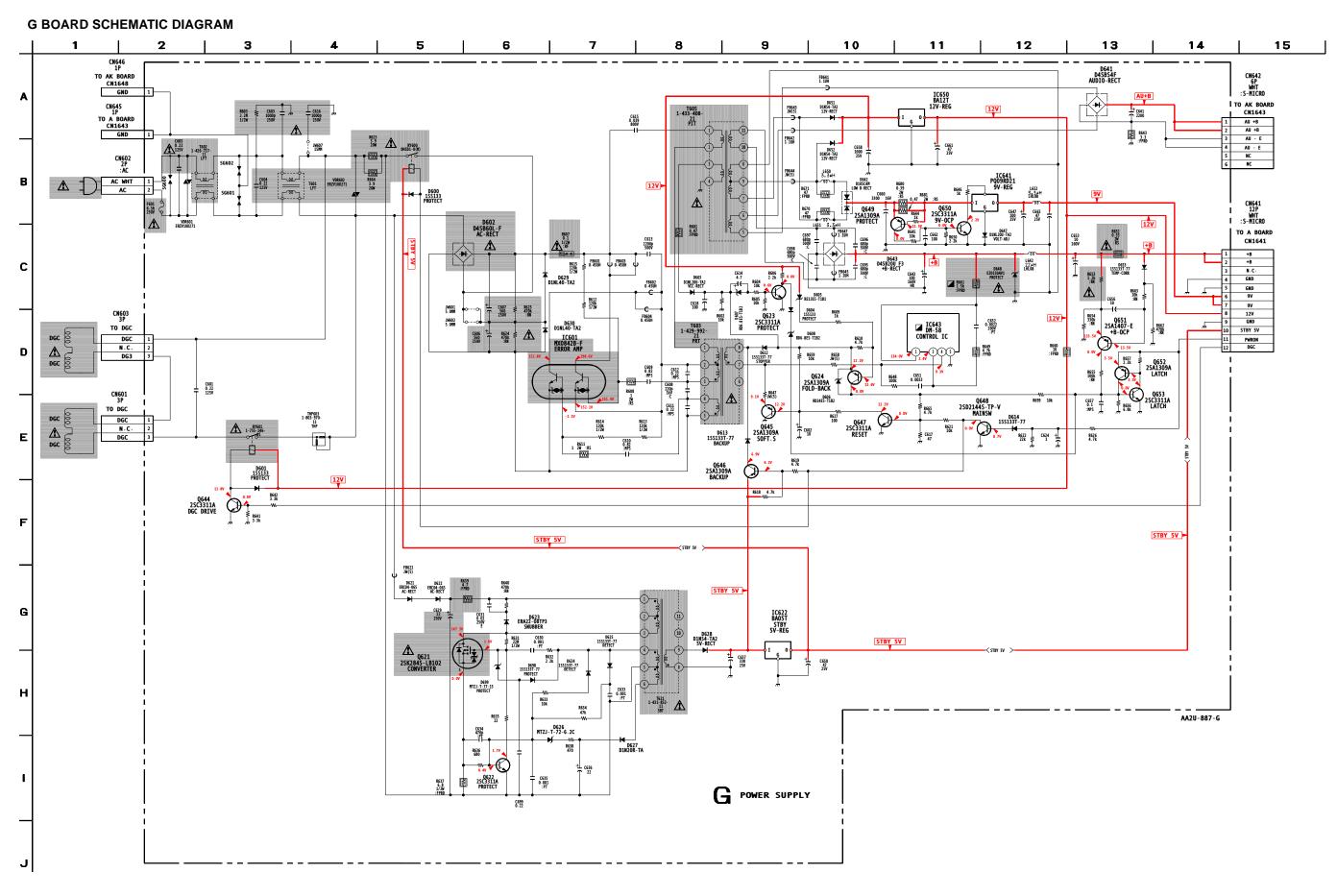
Q1	01	Q4	I 51	Q1	463	Q1	903
pin	volt	pin	volt	pin	volt	pin	volt
В	5.7	В	8.9	В	0.0	В	5.0
С	9.3	С	0.4	С	0.0	С	0.7
E	5.1	Е	9.3	Е	GND	Е	0.0
Q1	05	Q1	461	Q1	464	Q1	918
pin	volt	pin	volt	pin	volt	pin	volt
В	5.1	В	0.0	В	0.0	В	5.0
С	1.1	С	1.2	С	0.0	С	0.7
E	5.0	Е	GND	Е	GND	Е	0.0
Q1	06	Q1	462	Q1	902	All volta	iges are in V
pin	volt	pin	volt	pin	volt		
В	5.6	В	0.0	В	5.0		
С	9.3	С	11.6	С	0.7		
Е	4.9	Е	GND	Е	0.0		



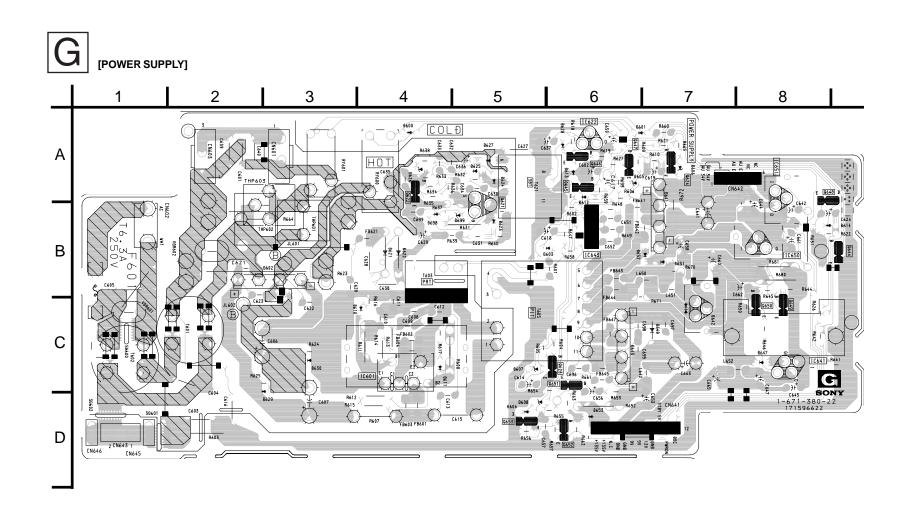


C BOARD WAVEFORMS





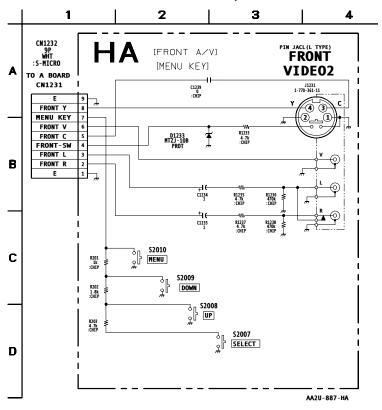
← C Board G Board →

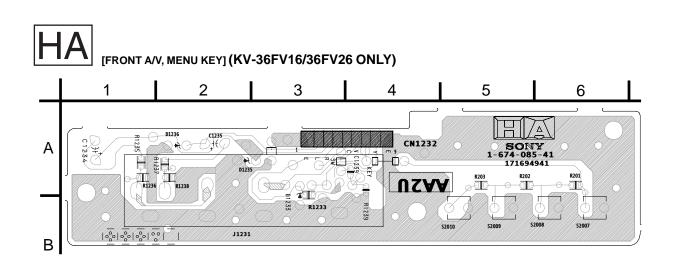


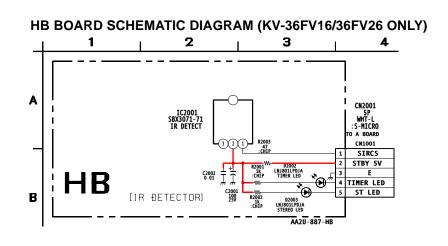
G BOARD LOCATOR LIST

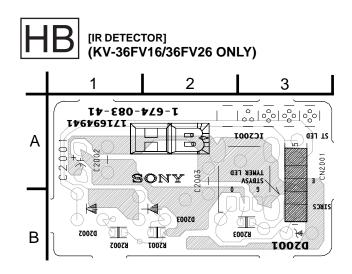
DIC	DE	D648	C-7
D600	A-4	D651	B-7
D601	A-6	D652	B-7
D602	B-2	D653	D-6
D603	B-5	D698	B-4
D604	D-5	D699	B-5
D605	A-6	I	C
D606	A-7	IC601	C-3
D607	C-5	IC622	A-6
D608	D-5	IC641	C-8
D612	A-6	IC643	B-6
D613	A-6	IC650	B-8
D614	B-8	TRANS	SISTOR
D621	B-4	Q621	A-5
D622	B-4	Q622	A-4
D623	B-5	Q623	C-6
D624	A-5	Q624	A-7
D625	A-5	Q644	B-8
D626	A-4	Q645	A-6
D627	A-5	Q646	A-6
D628	A-6	Q647	A-6
D629	C-2	Q648	A-8
D630	C-3	Q649	B-8
D641	B-7	Q650	B-8
D642	C-7	Q651	C-6
D643	C-6	Q652	D-6
D647	C-8	Q653	D-5

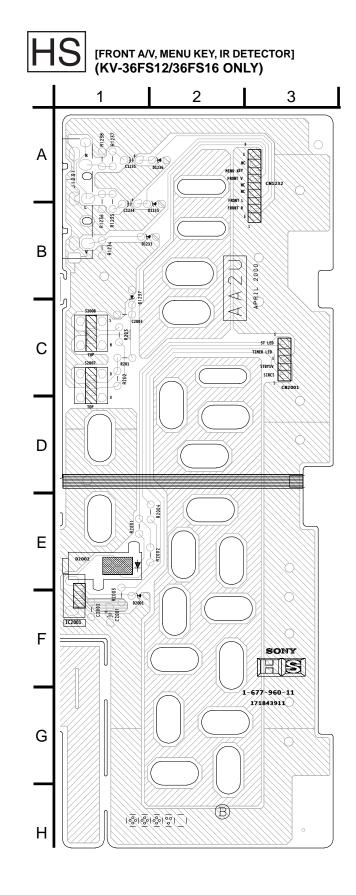
HA BOARD SCHEMATIC DIAGRAM (KV-36FV16/36FV26 ONLY)

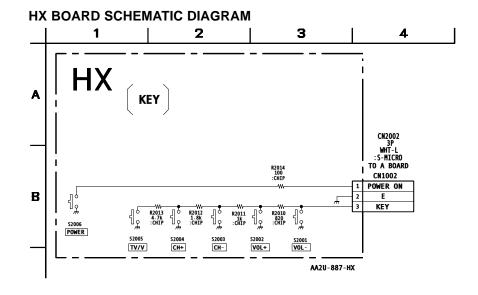


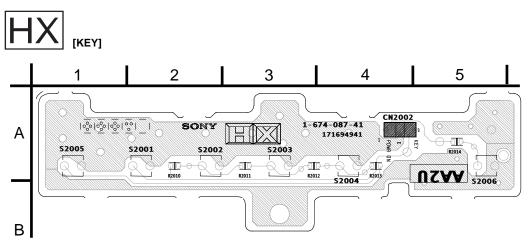


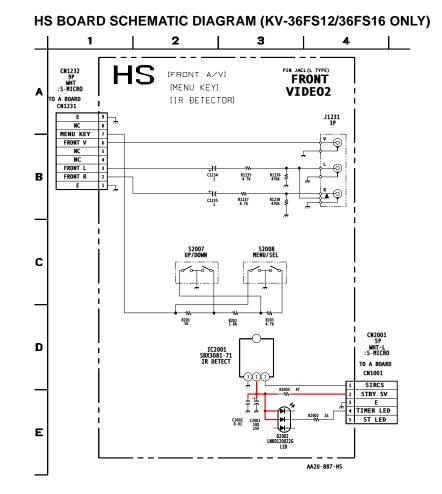


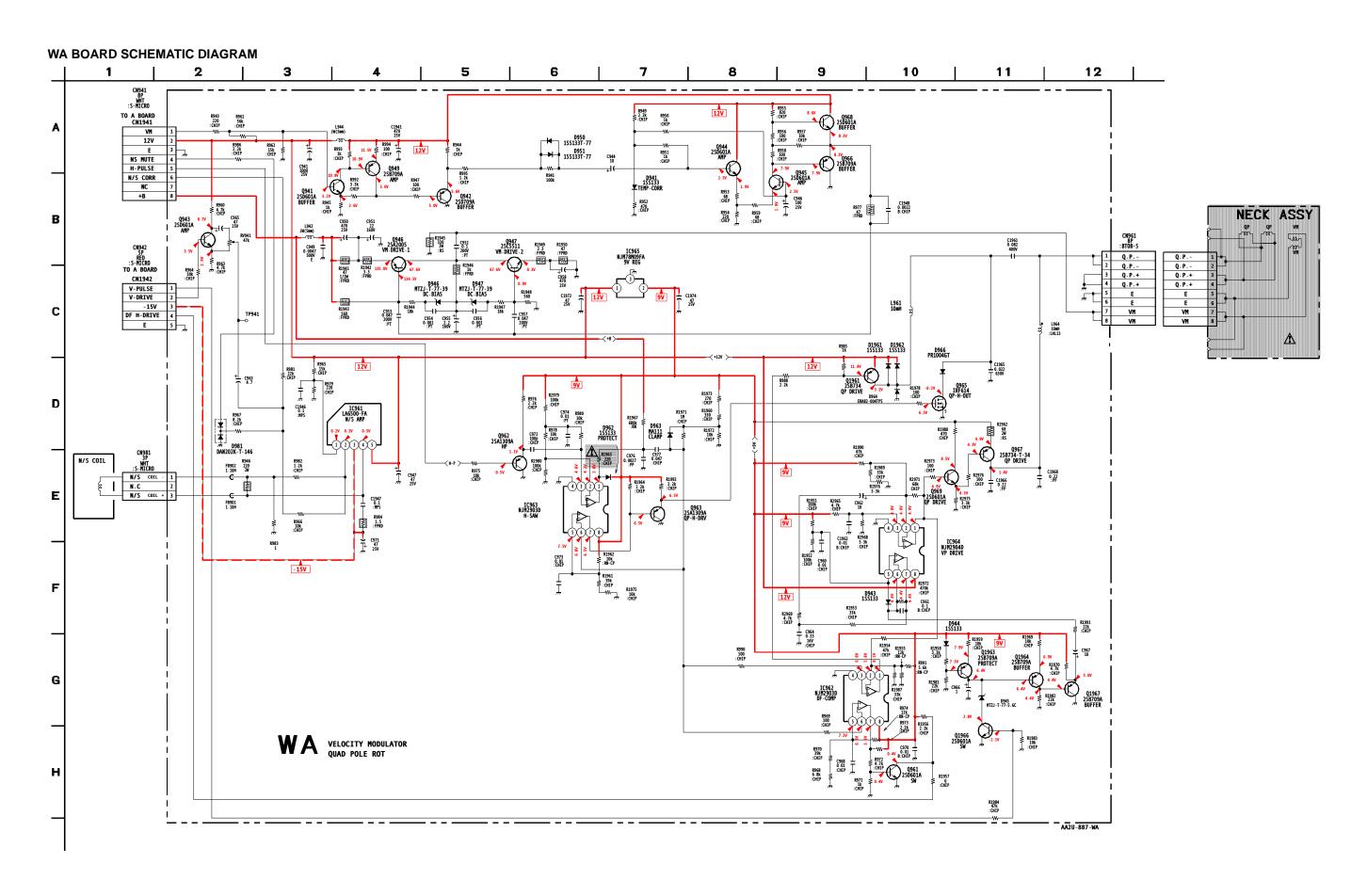


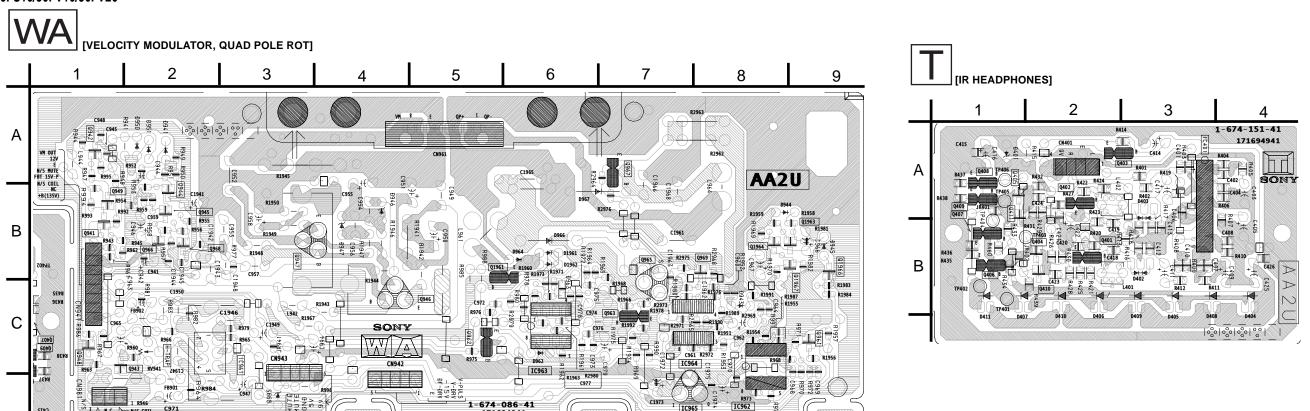


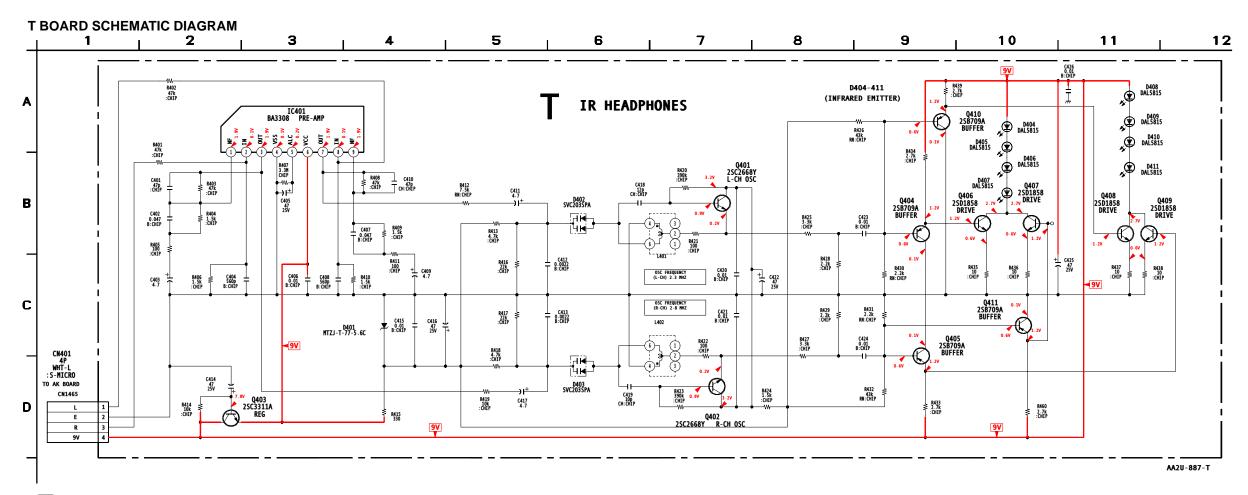












← WA Board T Board →

48 pin DIP

64 pin DIP

CXA2131S

CXP85856A-029S

22 pin DIP

28 pin DIP

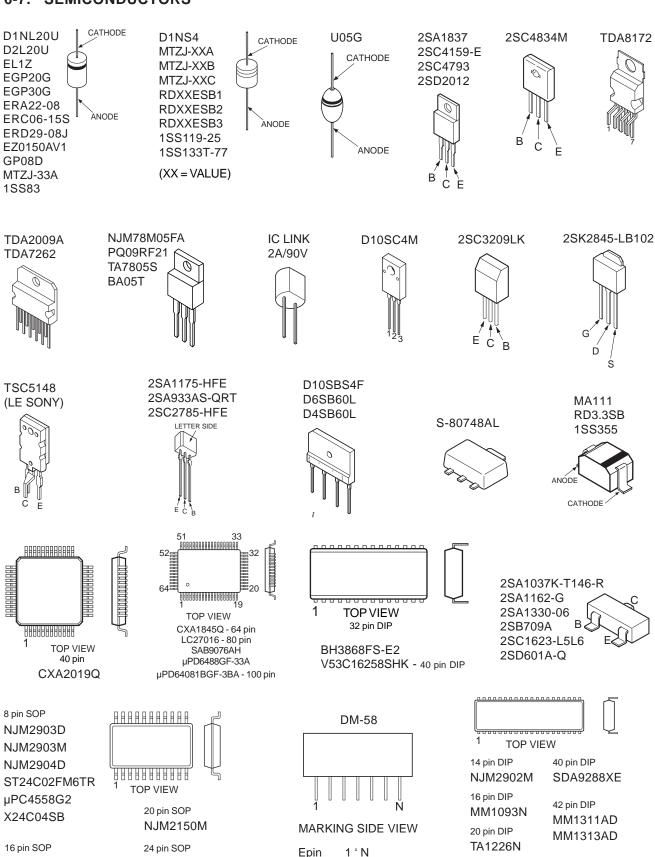
30 pin DIP

CXD2073S

TDA7467

CXA2021S

6-7. SEMICONDUCTORS



EMt (one side, both sides)

CXA2039M-T6

MN47V77ST1

μPC1862GS-E2

28 pin SOP MN47V76ST1

36 pin SOP

BU4053BCF-T2

NJM2145M-TE2

CXD2064Q-T6

CXA1315M

MC14052BF

MC14538B

SECTION 7 EXPLODED VIEW

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.
- Items marked * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

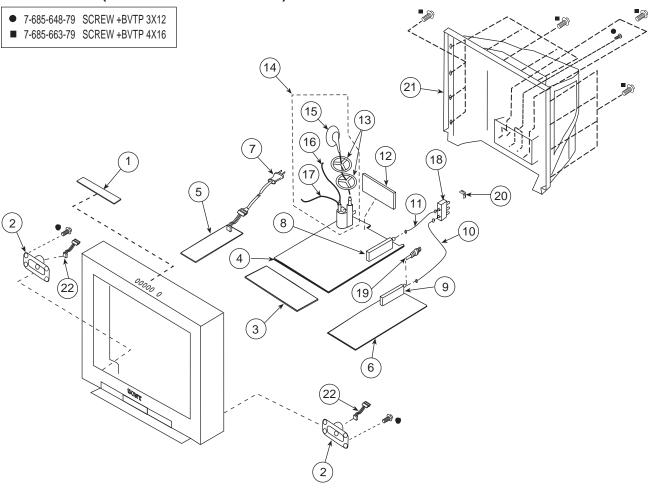
Note:

The components identified by shading and mark $\ensuremath{\Delta}$ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-1. CHASSIS (KV-36FS12/36FS16 ONLY)



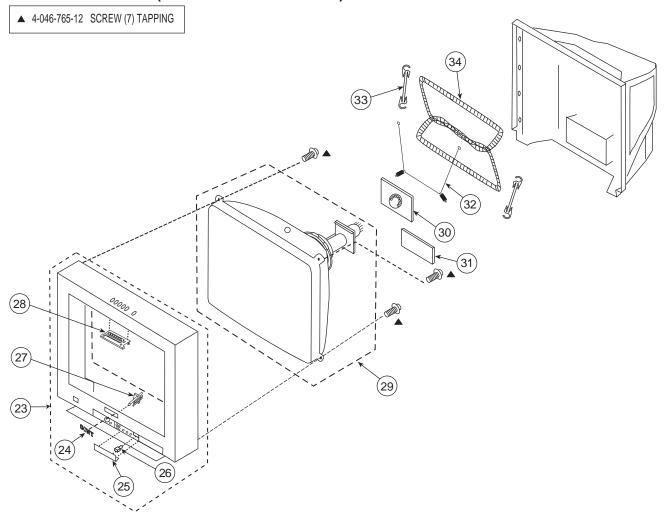
RE	F. NO.	PART NO.	DESCRIPTION	REMARK	RE	F. NO.	PART NO.	DESCRIPTION	REMARK
1	*	A-1372-636-A	HX MOUNTED PC BOAI	RD	12	*	A-1394-994-A	UY COMPLETE PC BOA	ARD (KV-36FS16 ONLY)
2		1-504-531-11	SPEAKER (13.1X6.2CM	1)	12	*	A-1395-000-A	UY COMPLETE PC BOA	ARD (KV-36FS12 ONLY)
3	*	A-1372-822-A	HS MOUNTED PC BOAI	*	13		3-704-372-71	HOLDER, HV CABLE	
4	*	A-1299-234-A	A COMPLETE PC BOAF	RD	14	\triangle	1-453-338-21	FBT ASSY NX-4600	15-17
	Th	e high-voltage l	eads associated with the	FBT on this board	15		1-251-715-32	HV CAP ASSY	
			nd must be ordered sepa						
			,	, ,	16		1-900-805-19	FOCUS LEAD	
5	*	A-1316-397-A	G COMPLETE PC BOAF	RD	17		1-900-805-22	G2 LEAD	
6	*	A-1299-235-A	AK COMPLETE PC BOA	ARD (KV-36FS16 ONLY)	18		8-598-414-10	CHANGER, ANTENNA A	AS-2F (KV36FS16 ONLY)
6	*		AK COMPLETE PC BOA	,	19		1-766-374-11	PLUG, F-PIN (KV-36FS1	12 ONLY)
7	\triangle	1-790-316-21	CORD, AC POWER(WITH	H CONNECTOR)	20	*	3-696-606-02	HINGE, VI	
8	\triangle	8-598-542-00	TUNER, FSS BTF-WA4	12 (KV-36FS12 ONLY)					
			,	,	21		4-076-073-01	COVER, REAR	
9	\triangle	8-598-501-20	TUNER, FSS BTF-FA40	2 (KV-36FS16 ONLY)	22		1-900-805-21	CONNECTOR, SPEAKE	R
10		1-792-935-11	CABLE, PIN (KV-36FS1	,					
11	*	1-557-056-31	CABLE, P-P (KV-36FS1	,					
			, (,	'				

The components identified by shading and mark $\ensuremath{\Delta}$ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-2. PICTURE TUBE (KV-36FS12/36FS16 ONLY)



REF. NO.	PART NO.	DESCRIPTION	<u>REMARK</u>
23	X-4037-665-1	BEZNET ASSY	24-26
24	3-704-179-31	EMBLEM (NO.9), SONY	
25	4-075-658-01	DOOR	
26	4-047-464-01	CATCHER, PUSH	
27	4-075-657-01	GUIDE, LED	
28	4-068-982-02	MULTI-BUTTON (TOP)	
29 ⚠	8-735-048-61	ITC 38RSN-A1 (US/Canad	da models only)
29 ⚠	8-735-081-61	ITC 38RSN-A1M (Hawaii i	models only)
30 *	A-1331-942-A	C (VAR) MOUNTED PC BC	DARD
31 *	A-1375-191-A	WA COMPLETE PC BOAR	D
32	4-036-329-01	SPRING (B), TENSION	
33	4-065-895-04	HOLDER, DGC	
34 △	1-416-828-31	COIL, DEGAUSSING	

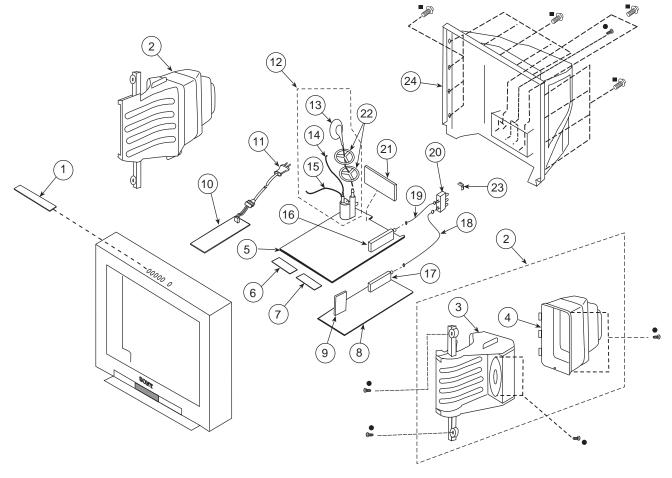
The components identified by shading and mark ${\textstyle\bigwedge}$ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-3. CHASSIS (KV-36FV16/36FV26 ONLY)

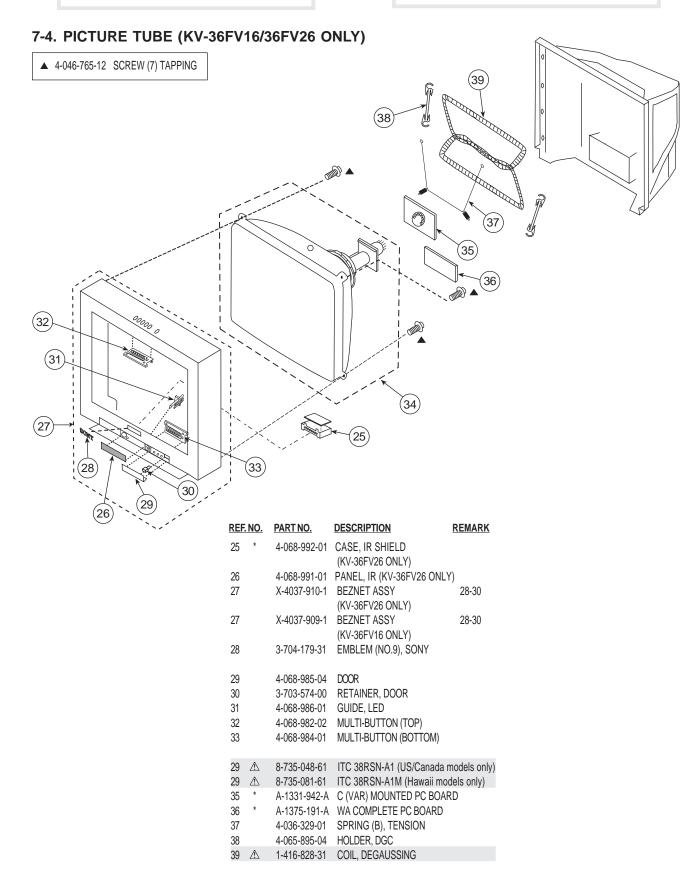
- 7-685-648-79 SCREW +BVTP 3X12
- 7-685-663-79 SCREW +BVTP 4X16



REF	. NO.	PART NO.	DESCRIPTION	REMARK	REF	. NO.	PART NO.	DESCRIPTION	REMARK
1	*	A-1372-636-A	HX MOUNTED PC BOARD		11	\triangle	1-790-316-21	CORD, AC POWER(WITH CON	INECTOR)
2	*	1-529-336-11	BOX, 1 WAY SPEAKER (100	CM) 3-4	12	\triangle	1-453-338-21	FBT ASSY NX-4600	13-15
			(KV-36FV16 ONLY)	, •	13		1-251-715-32	HV CAP ASSY	
2	*	1-529-358-11	SPEAKER, BOX (5,10CM)	3-4	14		1-900-805-19	FOCUS LEAD	
			(KV-36FV26 ONLY)		15		1-900-805-22	G2 LEAD	
3		4-068-988-01	'						
4	*		COVER, SPEAKER		16	\triangle	8-598-542-00	TUNER, FSS BTF-WA412	
5	*		A COMPLETE PC BOARD		17	\triangle	8-598-501-20	TUNER, FSS BTF-FA402	
•	Tł		eads associated with the FBT	on this board	18		1-792-935-11	CABLE, PIN	
		0	nd must be ordered separately		19	*	1-557-056-31	CABLE, P-P	
	۵.		.aaot bo oraoroa ooparato.). (555 15 15)	20		8-598-414-10	CHANGER, ANTENNA AS-2F	
6	*	A-1372-634-A	HA MOUNTED PC BOARD					,	
7	*		HB MOUNTED PC BOARD		21	*	A-1395-004-A	UX COMPLETE PC BOARD (I	KV-36FV26 ONLY)
8	*		AK COMPLETE PC BOARD	(KV-36FV26 ONLY)	21	*	A-1395-003-A	UX COMPLETE PC BOARD (I	KV-36FV16 ONLY)
8	*		AK COMPLETE PC BOARD		22			HOLDER, HV CABLE	,
9	*		T COMPLETE PC BOARD (K		23	*	3-696-606-02	HINGE, VI	
10	*		G COMPLETE PC BOARD		24		4-068-998-01	COVER, REAR	

The components identified by shading and mark ${\textstyle\bigwedge}$ are critical for safety. Replace only with part number specified.

Note:



KV-36FS12/36FS16/36FV16/36FV26



Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

SECTION 8 ELECTRICAL PARTS LIST

The components identified by

in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

- Items marked * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name

1-126-960-11 ELECT 1μF 20% 50V C329 1-165-319-11 CERAMIC CHIP 0.1μF 50V C331 1-126-964-11 ELECT 10μF 20% 50V C331 1-126-964-11 ELECT 10μF 20% 50V C331 1-126-964-11 ELECT 10μF 20% 50V C332 1-126-960-11 ELECT 1μF 20% 50V C332 1-163-135-00 CERAMIC CHIP 560PF 5% 50V C333 1-102-129-00 CERAMIC CHIP 0.01μF 10% 50V C334 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C334 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C336 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V	REF. NO.	PART NO.	DESCRIPTION	RI	EMARK		REF. NO.	PART NO.	DESCRIPTION	RI	EMARK	
*** A 1289-234-A ** A COMPLETE PC BOARD** The high voltage leads associated with the FBT on this board are not included and must be ordered separately. Order the following leads when requesting this A Board: 1.25-71-15-32 HV CAP ASSY 1-900-805-22 G2 LEAD 1-900-805-22 G2 LEAD 1-900-805-91 SCREW (M3X10), P. SW (+) CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CORRAINC CHIP D 0.1 µF 25V C320 1-163-038-11 CERAMIC CHIP D 0.1 µF 25V C320 1-163-038-11 CERAMIC CHIP D 0.0 µF 50V C320 1-163-038-11 C												
C306 1-16-2-33-11 CERAMIC CHIP 18PF 5% 50V C307 1-12-8-93-11 ELECT 47µF 20% 50V C329 1-16-8-30-11 CERAMIC CHIP 0.1µF 25V C329 1-16-8-30-11 CERAMIC CHIP 0.1µF 25V C329 1-16-8-30-11 ELECT 47µF 20% 50V C320 1-16-8-30-11 ELECT 47µF 20% 5		_						1-165-319-11	CERAMIC CHIP			
A-1299-234-A A COMPLETE PC BOARD** **A-1299-234-A** A COMPLETE PC BOARD** **Case 1-1269-699-11** CERAMIC CHIP 470PF 10% 50V 50V	Λ						C301	1-136-165-00	MYLAR		5%	50V
A-129+23-4. A COMPLETE PC BOARD C309	\mathcal{H}	\					C306	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
The high voltage leads associated with the FBT on this board are not included and must be ordered separately. Order the following leads when requesting this A Board: C310							C308	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
Caramic Chip Cara	,	A-1299-234-A	A COMPLETE PC	BOARD			C309	1-126-959-11	ELECT	0.47µF	20%	50V
included and must be ordered separately. Order the following leads		The high voltage I	and accordated with	tha EDT on	thia haar	d ara not	C310	1-104-664-11	ELECT	47µF	20%	25V
when requesting this A Board: C312							C311	1-163-038-91	CERAMIC CHIP	0.1µF		25V
1-251-715-32 HV CAP ASSY 1-900-805-22 G2 LEAD 1-900-805-19 FOCUS LEAD 4-382-854-11 SCREW (M3X10), P, SW (+) CAPACITOR				ely. Oluel ille	HOHOWIN	y leaus	C312	1-126-963-11	ELECT	4.7µF	20%	50V
1-251-715-32	V	men requesting t	IIIS A DUAIU.				C314	1-163-038-91	CERAMIC CHIP	0.1µF		25V
1-900-805-22 GZ LEAD 1-900-805-29 FOCUS LEAD 1-900-805-19 FOCUS LEAD 1-900-805-19 FOCUS LEAD 1-900-805-19 FOCUS LEAD 1-163-038-91 CERAMIC CHIP 0.1µF 25V C320 1-163-038-91 CERAMIC CHIP 0.01µF 50V C322 1-163-038-11 CERAMIC CHIP 0.01µF 50V C322 1-163-038-11 CERAMIC CHIP 0.01µF 50V C323 1-163-038-11 CERAMIC CHIP 0.01µF 50V C325 1-163-038-11 CERAMIC CHIP 0.01µF 50V C326 1-163-038-11 CERAMIC CHIP 0.1µF 50V C327 1-126-963-11 CERAMIC CHIP 0.1µF 50V C328 1-163-038-11 CERAMIC CHIP 0.1µF 50V C329 1-163-038-11 CERAMIC CHIP 0.1µF 50V C329 1-163-038-11 CERAMIC CHIP 0.1µF 50V C329 1-126-960-11 CERAMIC CHIP 0.1µF 50V C329 1-126-960-11 CERAMIC CHIP 0.1µF 50V C329 1-126-960-11 CERAMIC CHIP 0.01µF 10% 50V C329 CERAMIC CHIP 0.01µF 10% 50V C329 1-126-960-11 CERAMIC CHIP 0.01µF 10% 50V C329 1-126-960-11 CERAMIC CHIP 0.01µF 10% 50V C329 1-126-960-11 CERAMIC CHIP 0.01µF 10% 50V C329 CERAMIC CHIP 0.01µF 0.001µF		4 054 745 00	LIV OAD ACOV				C316					
1-900-805-19 FOCUS LEAD C338 1-163-038-91 CERAMIC CHIP 0.1µF 25V												
1-900-905-19 FOCUS LEAD 1-163-038-91 CERAMIC CHIP 0.1			-				C318	1-163-038-91	CERAMIC CHIP	0.1uF		25V
A-382-854-11 SCREW (M3X10), P, SW (+) C320		1-900-805-19	FOCUS LEAD									
Capacitor Capa										•	20%	
Capacitor Capa		4-382-854-11	SCREW (M3X10), I	P, SW (+)						•	2070	
1-163-259-91 CERAMIC CHIP 220PF 5% 50V C329 1-163-319-11 CERAMIC CHIP 0.1μF 50V C329 1-163-319-11 CERAMIC CHIP 0.1μF 50V C329 1-163-309-11 CERAMIC CHIP 0.1μF 20% 50V C331 1-126-960-11 ELECT 1μF 20% 50V C331 1-126-960-11 ELECT 1μF 20% 50V C331 1-126-960-11 ELECT 1μF 20% 50V C334 1-163-031-10 CERAMIC CHIP 0.01μF 10% 50V C334 1-163-09-11 CERAMIC CHIP 0.01μF 10% 50V C336 1-163-09-11 CERAMIC CHIP 0.01μF 10% 50V C336 1-163-09-11 CERAMIC CHIP 0.01μF 10% 50V C336 1-163-09-11 CERAMIC CHIP 0.1μF 25V C339 1-163-038-91 CERAMIC CHIP 0.1μF 25V C339 1-163-038-91 CERAMIC CHIP 0.1μF 25V C336 1-163-038-91 CERAMIC CHIP 0.1μF 25V C346 1-163-038-91 CERAMIC CHIP 0.1μF 25V												
1-163-259-91 CERAMIC CHIP 220PF 5% 50V C329 1-163-319-11 CERAMIC CHIP 0.1μF 50V C329 1-163-319-11 CERAMIC CHIP 0.1μF 50V C329 1-163-309-11 CERAMIC CHIP 0.1μF 20% 50V C331 1-126-960-11 ELECT 1μF 20% 50V C331 1-126-960-11 ELECT 1μF 20% 50V C331 1-126-960-11 ELECT 1μF 20% 50V C334 1-163-031-10 CERAMIC CHIP 0.01μF 10% 50V C334 1-163-09-11 CERAMIC CHIP 0.01μF 10% 50V C336 1-163-09-11 CERAMIC CHIP 0.01μF 10% 50V C336 1-163-09-11 CERAMIC CHIP 0.01μF 10% 50V C336 1-163-09-11 CERAMIC CHIP 0.1μF 25V C339 1-163-038-91 CERAMIC CHIP 0.1μF 25V C339 1-163-038-91 CERAMIC CHIP 0.1μF 25V C336 1-163-038-91 CERAMIC CHIP 0.1μF 25V C346 1-163-038-91 CERAMIC CHIP 0.1μF 25V		CAPACITOR					Cana	1 162 021 11	CEDAMIC CUID	0.01.15		E0\/
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C361 1-163-038-91 CERAMIC CHIP 0.1µF 25V C372 1-164-161-11 CERAMIC CHIP 0.0022µF 10% 50V C374 1-163-038-91 CERAMIC CHIP 0.1µF 25V C377 1-126-964-11 ELECT 10µF 20% 50V C375 1-163-038-91 CERAMIC CHIP 0.1µF 25V C380 1-165-319-11 CERAMIC CHIP 0.1µF 50V C382 1-163-038-91 CERAMIC CHIP 0.1µF 25V				•			3000	1 100 000 31	OLIV WING OF III	ο. τμι		20 V
2072 1-164-161-11 CERAMIC CHIP 0.0022μF 10% 50V C374 1-163-038-91 CERAMIC CHIP 0.1μF 25V C375 1-163-038-91 CERAMIC CHIP 0.1μF 25V C382 1-163-038-91 CERAMIC CHI	C0/1	1-102-129-00	CERAMIC	0.01µF	10%	50V	C361	1-163-038-91	CERAMIC CHIP	0.1µF		25V
1007 1-126-964-11 ELECT 10μF 20% 50V C375 1-163-038-91 CERAMIC CHIP 0.1μF 25V C380 1-165-319-11 CERAMIC CHIP 0.1μF 50V C382 1-163-038-91 CERAMIC CHIP 0.1μF 25V	C072	1-164-161-11	CERAMIC CHIP	0.002211	10%	50\/						
1-120-304-11 EEE01 10μ 2070 30V C382 1-163-038-91 CERAMIC CHIP 0.1μF 25V C382 1-163-038-91 CERAMIC CHIP 0.1μF 25V										•		
1-100-010-11 OLIKAWIO OTIII OLIJII OVI I				•	2070							
	5000	1-100-013-11	OLIVAIVIIG GLIIP	υ.τμΓ			ı			•		

Note:

Les composants identifies per un trame et une marque $\ensuremath{\triangle}$ sont critiques pour la securite. Ne les remplacer



The components identified by shading and mark riangle are critical for safety. Replace only with part number specified. que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION	RE	MARK		REF.NC).	PART NO.	DESCRIPTION	RE	MARK	
C384	1-163-038-91	CERAMIC CHIP	0.1µF		25V	C550		1-102-002-00	CERAMIC	680PF	10%	500V
C393	1-163-038-91	CERAMIC CHIP	0.1µF		25V	C551		1-109-954-11	ELECT	0.47µF	20%	160V
C394	1-163-038-91	CERAMIC CHIP	0.1µF		25V	C552		1-102-244-00	CERAMIC	220PF	10%	500V
C395	1-104-664-11	ELECT	47μF	20%	25V	C553		1-117-666-71	FILM	0.39µF	5%	250V
C396	1-163-021-91	CERAMIC CHIP	4/μι 0.01μF	10%	50V	C554	Λ	1-104-491-11	FILM	0.0047µF	3%	2KV
C390	1-103-021-91	CERAIVIIC CHIP	0.01μΓ	10%	50V	C004	<u> </u>	1-104-491-11	FILIVI	0.0047µF	3%	ZNV
C397	1-104-664-11	ELECT	47µF	20%	25V	C561		1-126-967-11	ELECT	47µF	20%	50V
C398	1-126-961-11	ELECT	2.2µF	20%	50V	C563		1-104-666-11	ELECT	220µF	20%	25V
C501	1-102-110-00	CERAMIC	220PF	10%	50V	C564		1-126-960-11	ELECT	1µF	20%	50V
C502	1-126-959-11	ELECT	0.47µF	20%	50V	C565		1-126-969-11	ELECT	220µF	20%	50V
C503	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C568		1-136-169-00	MYLAR	0.22µF	5%	50V
C504	1-102-228-00	CERAMIC	470PF	10%	500V	C571		1-126-942-61	ELECT	1000µF	20%	25V
C505	1-102-228-00	CERAMIC	470PF	10%	500V	C572		1-126-942-61	ELECT	1000µF	20%	25V
C506	1-106-383-00	MYLAR	0.047µF	10%	200V	C599		1-126-935-11	ELECT	470µF	20%	16V
	1-162-116-00	CERAMIC	680PF	10%	2KV	C1002)	1-126-964-11	ELECT	10μF	20%	50V
C508	1-102-228-00	CERAMIC	470PF	10%	500V	C1002		1-126-961-11	ELECT	2.2µF	20%	50V
C509	1-162-116-00	CERAMIC	680PF	10%	2KV	C1004		1-126-960-11	ELECT	1μF	20%	50V
C510	1-137-150-11	MYLAR	0.01µF	10%	100V	C1101		1-126-943-11	ELECT	2200µF	20%	25V
C511 △	1-137-347-11	FILM	0.022µF	3%	2KV	C1103	}	1-126-965-11	ELECT	22µF	20%	50V
C512	1-129-928-00	FILM	0.0027µF	10%	630V	C1104	ļ	1-104-664-11	ELECT	47µF	20%	25V
C513 🗘	1-130-118-91	FILM	0.051µF	5%	400V	C1105	5	1-104-664-11	ELECT	47µF	20%	25V
C514 /î	1-115-521-11	FILM	0.82µF	5%	250V	C1106	3	1-126-964-11	ELECT	10µF	20%	50V
C515	1-104-987-11	MYLAR	0.02µi 0.001µF	10%	100V	C1107		1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V
C516	1-115-521-11	FILM	0.82µF	5%	250V	C1107		1-128-551-11	ELECT	0.022μι 22μF	20%	25V
C517	1-107-649-11	ELECT	0.02μι 2.2μF	20%	250V	C1100		1-126-964-11	ELECT	22μι 10μF	20%	50V
C518	1-106-387-00	MYLAR	2.2μΓ 0.068μF	10%	200V	C1103		1-126-960-11	ELECT	10μΓ 1μF	20%	50V
										·		
C519	1-107-612-11	CERAMIC	100PF	5%	500V	C1118		1-126-960-11	ELECT	1μF	20%	50V
C520	1-164-646-11	CERAMIC	2200PF	10%	500V	C1351		1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C521	1-163-010-11	CERAMIC CHIP	0.0012µF	10%	50V	C1355	5	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C522	1-126-960-11	ELECT	1μF	20%	50V	C1356	3	1-126-964-11	ELECT	10µF	20%	50V
C525	1-102-244-00	CERAMIC	220PF	10%	500V	C1357	7	1-164-005-11	CERAMIC CHIP	0.47µF		16V
C526	1-107-662-11	ELECT	22µF	20%	250V	C1358	}	1-126-940-11	ELECT	330µF	20%	25V
C527	1-162-116-00	CERAMIC	680PF	10%	2KV	C1359		1-163-038-91	CERAMIC CHIP	0.1µF		25V
C528	1-164-161-11	-	0.0022µF	10%	50V	C1360		1-163-031-11	CERAMIC CHIP	0.01µF		50V
C529	1-128-551-11		22µF	20%	25V	C1361		1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C530	1-137-366-11	MYLAR	0.0022µF	5%	50V	C1362		1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
0000	1 107 000 11	WILDWY	0.0022μι	370	30 V	01002	-	1 100 017 00	OLIV WIIO OF III	0.00+1 μι	1070	30 V
C531	1-126-965-11	ELECT	22µF	20%	50V	C1363	}	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C532	1-126-965-11	ELECT	22µF	20%	50V	C1367	7	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C534	1-126-967-11	ELECT	47µF	20%	50V	C1369)	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C537	1-126-941-11	ELECT	470μF	20%	25V	C1370)	1-126-964-11	ELECT	10µF	20%	50V
C539	1-126-941-11		470µF	20%	25V	C1371		1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
			•			C1372		1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C540	1-107-995-11	ELECT	100µF		160V	C1373		1-163-133-00	CERAMIC CHIP	470PF [']	5%	50V
C541	1-128-560-11	ELECT	22µF	20%	100V							
C543	1-104-666-11		220µF	20%	25V							
C544	1-129-718-00	FILM	0.022µF	5%	630V			CONNECTOR				
C545	1-106-387-00		0.068µF	10%	200V							
0540	4 404 007 44	MVLAD	0.004 5	4007	400\/	CN270		1-774-105-11	CONNECTOR, BOA			
C546	1-104-987-11	MYLAR	0.001µF	10%	100V	CN27		1-774-105-11	CONNECTOR, BOA			
C547	1-104-987-11	MYLAR	0.001µF	10%	100V	CN272		1-774-105-11	CONNECTOR, BOA			
C548	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	CN302		1-508-784-00	PIN, CONNECTOR		11	
C549	1-106-375-12	MYLAR	0.022µF	20%	200V	CN35	1 *	1-564-509-11	PLUG, CONNECTO	K 6P		



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Note:

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK	
CN501 *	1-580-798-11	CONNECTOR PIN (DY) 6P		D534	8-719-075-41	DIODE PR1004GT			
		` ,							
CN503 *	1-564-508-11	PLUG, CONNECTOR 5P		D535	8-719-073-01	DIODE MA111-TX			
CN1001*	1-564-508-11	PLUG, CONNECTOR 5P		D536	1-216-295-91				
CN1002*	1-564-506-11	PLUG, CONNECTOR 3P		D561		DIODE 1N4003GA			
CN1102*	1-564-507-11	PLUG, CONNECTOR 4P		D1003	8-719-110-17	DIODE MTZJ-T-77-10	В		
CN1231*	1-564-512-11	PLUG, CONNECTOR 9P		D1004	8-719-110-17	DIODE MTZJ-T-77-10	В		
CN1643	1-695-915-11	TAB (CONTACT)		D1101		DIODE MTZJ-T-77-10			
CN1941*		PLUG, CONNECTOR 8P		D1102		DIODE MTZJ-T-77-33			
CN1942*		PLUG, CONNECTOR 5P		D1103		DIODE MTZJ-T-77-5.6			
0111012	1 00 1 000 11	1200, 0011120101101		D1104		DIODE MTZJ-T-77-10			
	DIODE			D1301	8-719-073-01	DIODE MA111-TX			
	DIODE			D1302		DIODE 1SS133T-77			
D001	8-719-991-33	DIODE 1SS133T-77		D1302		DIODE MA111-TX			
D002		DIODE MTZJ-T-77-5.6C		D1303		DIODE MA111-TX			
D002		DIODE 1SS133T-77							
D005		DIODE MTZJ-T-77-5.6C		D1305		DIODE MA111-TX			
D003		DIODE 1SS133T-77		D1306	8-719-073-01	DIODE MA111-TX			
D040	0.740.004.00	DIODE 400400T 77							
D013		DIODE 188133T-77			FERRITE BEA	<u> 1D</u>			
D016		DIODE 1SS133T-77		ED=04		FEDDITE			
D018		DIODE MA111-TX		FB501	1-410-397-21		1.1µH		
D019	8-719-073-01	DIODE MA111-TX		FB502	1-410-397-21		1.1µH		
D301	8-719-073-01	DIODE MA111-TX		FB503	1-410-397-21	FERRITE	1.1µH		
D302	8-719-991-33	DIODE 1SS133T-77							
D303	8-719-921-44	DIODE MTZJ-T-77-5.1C			<u>IC</u>				
D368	8-719-991-33	DIODE 1SS133T-77			<u></u>				
D384	8-719-921-80	DIODE MTZJ-T-77-11B		IC001	8-759-667-71	IC M306V5ME-XXXS	Р		
D388	8-719-921-80	DIODE MTZJ-T-77-11B		IC002	8-759-562-42	IC CAT24WC08J-TE1	3		
				IC003	8-759-352-91	IC PST9143NL			
D501	8-719-109-89	DIODE MTZJ-T-77-5.6C		IC351	8-759-710-86	IC NJM2233BM(TE2)			
D502		DIODE ERC06-15S		IC352	8-752-080-75	IC CXA2039M-T6			
		DIODE ERC06-15S							
D504		DIODE ERD29-08J		IC353	8-759-462-91	IC TA1226N			
D505		DIODE 1N4003GA		IC354		IC CXA2119M-T6			
D303	0-7 19-07 3-33	DIODE IN4003GA				IC CXA2131AS			
DEOC	0.740.075.00	DIODE ANADOSOA		IC501	8-759-700-07				
D506	8-719-075-33	DIODE 1N4003GA			8-759-192-71				
D507	8-719-991-33	DIODE 1SS133T-77							
D510		DIODE ERB44-06TP1		IC1001	0-702-000-00	IC CXA1315M-T4			
D511		DIODE ERA38-06TP1							
D512	8-719-970-87	DIODE ERA38-06TP1			CHID CONDIN	CTOD			
D513	8-719-110-41	DIODE MTZJ-T-77-15B		ID oc :	CHIP CONDU				
	8-719-075-41	DIODE PR1004GT		JR001	1-216-295-91				
D516		DIODE 1SS133T-77		JR002	1-216-295-91	SHORT			
D518		DIODE 1SS133T-77		JR003	1-216-295-91	SHORT			
		DIODE EL1Z-V1		JR004	1-216-049-91	RES-CHIP	1K	5%	1/10W
2010	0 1 10 00£ 40	DIODE LEIL VI		JR005	1-216-295-91	SHORT			
D520	8-719-991-33	DIODE 1SS133T-77		ID054	4 040 00= 0:	OLIODT			
D521	8-719-921-63	DIODE MTZJ-T-77-7.5X		JR051	1-216-295-91	SHORT			
D522	8-719-991-33	DIODE 1SS133T-77		JR053	1-216-295-91	SHORT			
D523		DIODE MTZJ-T-77-3.6B		JR054	1-216-295-91				
D524	8-719-109-97			JR4120	1-216-295-91	SHORT			
D530 A	8-719-081-01	DIODE ER204							
D531	8-719-081-01	DIODE ER204							
5001	0 7 10 001 01	DIQUE LINEVY							

Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	R	EMARK	
	COIL			Q361	8-729-422-27	TRANSISTOR 2SD6	01A-QRS-T	(
				Q362	8-729-422-27	TRANSISTOR 2SD6			
L001	1-414-857-11	INDUCTOR	100µH	Q364	8-729-216-22	TRANSISTOR 2SB7			
L002	1-414-857-11	INDUCTOR	100µH	Q369	8-729-422-27	TRANSISTOR 2SD6			
L003	1-414-856-11	INDUCTOR	10μH	Q370	8-729-422-27	TRANSISTOR 2SD6			
L004	1-414-182-11	INDUCTOR	6.8µH	QJIU	0-125-422-21	TRANSISTOR 23DC	01A-QN3-17	`	
L005	1-410-506-11	INDUCTOR	5.6µH	0504	0.700.440.50	TDANICICTOD ACC	2000LI/ TD		
			· .	Q501	8-729-140-50	TRANSISTOR 2SC3			
L006	1-410-506-11	INDUCTOR	5.6µH		8-729-045-26	TRANSISTOR 2SD2		,	
L007	1-410-506-11	INDUCTOR	5.6µH	Q503	8-729-422-27	TRANSISTOR 2SD6			
L301	1-414-857-11	INDUCTOR	100µH	Q504	8-729-422-27	TRANSISTOR 2SD6		(
L302	1-414-856-11	INDUCTOR	10µH	Q507	8-729-043-95	TRANSISTOR 2SC	3840K		
L351	1-414-186-31	INDUCTOR	33µH						
LOUI	1-414-100-31	INDOOTOR	35μi i	Q 511 △	8-729-422-27	TRANSISTOR 2SD6	301A-QRS-T	(
1.504	1 400 077 11	INDLICTOR	10mLl	Q512 🗥	8-729-809-29	TRANSISTOR 2SC4	1159-E		
L501	1-406-677-11	INDUCTOR	10mH	Q561	8-729-422-27	TRANSISTOR 2SD6	301A-QRS-T	(
L502	1-412-552-11	INDUCTOR	2.2mH	Q562	8-729-422-27	TRANSISTOR 2SD6	01A-QRS-T	(
L503	1-406-677-11	INDUCTOR	10mH	Q1102	8-729-423-33	TRANSISTOR 2SC3	311A-QRST	A	
L504	1-406-677-11	INDUCTOR	10mH						
L505	1-406-976-11	INDUCTOR	68µH	Q1103	8-729-422-27	TRANSISTOR 2SD6	01A-QRS-T	(
				Q1301	8-729-216-22	TRANSISTOR 2SB7			
L511	1-411-189-11	INDUCTOR	15mH	Q1302	8-729-422-27	TRANSISTOR 2SD6			
L517	1-412-552-11	INDUCTOR	2.2mH	Q1303	8-729-422-27	TRANSISTOR 2SD6			
L1101	1-414-857-11	INDUCTOR	100μH						
L1102	1-414-856-11	INDUCTOR	10μH	Q1352	8-729-422-27	TRANSISTOR 2SD6			
L1351	1-414-856-11	INDUCTOR	10µH	Q1353	8-729-216-22	TRANSISTOR 2SB7			
L1352	1-412-754-21	INDUCTOR	39µH	Q1354	8-729-422-27	TRANSISTOR 2SD6	01A-QRS-17	(
Q001	TRANSISTOR 8-729-216-22	TRANSISTOR 2SB70	nga-ors-tx	R001	RESISTOR 1-216-057-00	RES-CHIP	2.2K	5%	1/10W
Q002	8-729-422-27	TRANSISTOR 2SD6		R002	1-249-417-11	CARBON	1K	5%	1/4W
Q003	8-729-422-27	TRANSISTOR 2SD6		R003	1-216-097-91	RES-CHIP	100K	5%	1/10W
Q004	8-729-216-22	TRANSISTOR 2SB7		R004	1-216-121-91	RES-CHIP	1M	5%	1/10W
Q005	8-729-422-27	TRANSISTOR 2SD6		R005	1-216-033-00	RES-CHIP	220	5%	1/10W
QUUU	0-123-422-21	TRANSISTOR 2000	UIA-QIO-IX						
Q006	8-729-422-27	TRANSISTOR 2SD6	01A_OPS_TY	R006	1-216-033-00	RES-CHIP	220	5%	1/10W
Q007	8-729-216-22	TRANSISTOR 2SB7		R007	1-216-073-00	RES-CHIP	10K	5%	1/10W
		TRANSISTOR 2SD6		R008	1-216-033-00	RES-CHIP	220	5%	1/10W
Q008				R009	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q009	8-729-422-27			R010	1-216-041-00	RES-CHIP	470	5%	1/10W
Q016	8-729-422-27	TRANSISTOR 2SD6	UTA-QRS-TX						
0400	0.700.040.00	TD ANIOIOTOD CODE	004 ODO TV	R011	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
Q103	8-729-216-22			R012	1-216-033-00	RES-CHIP	220	5%	1/10W
Q104	8-729-216-22			R013	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
Q301	8-729-422-27			R014	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
Q303	8-729-422-27	TRANSISTOR 2SD6		R015	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q304	8-729-216-22	TRANSISTOR 2SB7	09A-QRS-TX		. =	0 0		0,0	.,
0205	0.700.040.00	TDANICICTOD 2007	DOA ODC TV	R016	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q305	8-729-216-22	TRANSISTOR 2SB7		R019	1-249-425-11	CARBON	4.7K	5%	1/4W
Q306	8-729-216-22	TRANSISTOR 2SB70		R020	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
Q307	8-729-422-27	TRANSISTOR 2SD6		R021	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q310	8-729-216-22	TRANSISTOR 2SB7		R022	1-249-429-11	CARBON	10K	5%	1/4W
Q311	8-729-216-22	TRANSISTOR 2SB7	09A-QRS-TX	I WELL	, E 10 120 11	J. 11. 1501 1	1011	3 70	17 1 1 1
O242	0 700 400 07	TDANICIOTAD ACDA	NAA ODE TV	R023	1-249-437-11	CARBON	47K	5%	1/4W
Q313	8-729-422-27	TRANSISTOR 2SD6		R024	1-249-417-11	CARBON	1K	5%	1/4W
Q314	8-729-422-27	TRANSISTOR 2SD6		R025	1-216-041-00	RES-CHIP	470	5%	1/10W
Q351	8-729-422-27	TRANSISTOR 2SD6		R026	1-216-121-91	RES-CHIP	1M	5%	1/10W
Q352	8-729-422-27	TRANSISTOR 2SD6		R027	1-249-417-11	CARBON	1K	5%	1/4W
Q359	8-729-216-22	TRANSISTOR 2SB7	09A-QRS-TX I		. =			0	



Note:

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REF.NO.	PART NO.	DESCRIPTION		REMARK		REF.NO.	PART NO.	DESCRIPTION		REMARK	
R028	1-249-429-11	CARBON	10K	5%	1/4W	R089	1-216-073-00	RES-CHIP	10K	5%	1/10W
R029	1-216-025-91	RES-CHIP	100	5%	1/10W	R090	1-249-409-11	CARBON	220	5%	1/4W
R030	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R096	1-216-033-00	RES-CHIP	220	5%	1/10W
R031	1-216-033-00	RES-CHIP	220	5%	1/10W	R097	1-249-425-11	CARBON	4.7K	5%	1/4W
R032	1-249-409-11	CARBON	220	5%	1/4W	R099	1-249-425-11	CARBON	4.7K	5%	1/4W
R033	1-249-425-11	CARBON	4.7K	5%	1/4W	R106	1-216-081-00	RES-CHIP	22K	5%	1/10W
R034	1-216-295-91	SHORT				R107	1-216-081-00	RES-CHIP	22K	5%	1/10W
R035	1-216-041-00	RES-CHIP	470	5%	1/10W	R108	1-216-081-00	RES-CHIP	22K	5%	1/10W
R036	1-249-417-11	CARBON	1K	5%	1/4W	R109	1-216-081-00	RES-CHIP	22K	5%	1/10W
R037	1-249-417-11	CARBON	1K	5%	1/4W	R133	1-216-037-00	RES-CHIP	330	5%	1/10W
R038	1-249-417-11	CARBON	1K	5%	1/4W	R302	1-208-291-11	RES-CHIP	4.7M	5%	1/10W
R040	1-249-409-11	CARBON	220	5%	1/4W	R304	1-216-033-00	RES-CHIP	220	5%	1/10W
R041	1-216-295-91	SHORT				R305	1-249-409-11	CARBON	220	5%	1/4W
R043	1-249-409-11	CARBON	220	5%	1/4W	R306	1-249-409-11	CARBON	220	5%	1/4W
R044	1-249-417-11	CARBON	1K	5%	1/4W	R307	1-216-295-91	SHORT			
R045	1-216-033-00	RES-CHIP	220	5%	1/10W	R309	1-216-295-91	SHORT			
R046	1-216-033-00	RES-CHIP	220	5%	1/10W	R311	1-216-073-00	RES-CHIP	10K	5%	1/10W
R047	1-216-049-91	RES-CHIP	1K	5%	1/10W	R313	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R048	1-249-417-11	CARBON	1K	5%	1/4W	R314	1-216-073-00	RES-CHIP	10K	5%	1/10W
R049	1-249-417-11	CARBON	1K	5%	1/4W	R315	1-216-073-00	RES-CHIP	10K	5%	1/10W
R052	1-216-049-91	RES-CHIP	1K	5%	1/10W	R316	1-216-073-00	RES-CHIP	10K	5%	1/10W
R053	1-216-025-91	RES-CHIP	100	5%	1/10W	R319	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R055	1-216-097-91	RES-CHIP	100K	5%	1/10W	R320	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R056	1-249-409-11	CARBON	220	5%	1/4W	R321	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R057	1-216-049-91	RES-CHIP	1K	5%	1/10W	R325	1-216-033-00	RES-CHIP	220	5%	1/10W
						1.020	. 2.0 000 00				
R060	1-216-073-00	RES-CHIP	10K	5%	1/10W	R326	1-216-085-00	RES-CHIP	33K	5%	1/10W
R061	1-216-073-00	RES-CHIP	10K	5%	1/10W	R327	1-216-033-00	RES-CHIP	220	5%	1/10W
R062	1-216-073-00	RES-CHIP	10K	5%	1/10W	R330	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R063	1-216-073-00	RES-CHIP	10K	5%	1/10W	R331	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R064	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R332	1-216-033-00	RES-CHIP	220	5%	1/10W
R065	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R334	1-216-033-00	RES-CHIP	220	5%	1/10W
R066	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R335	1-216-033-00	RES-CHIP	220	5%	1/10W
R067	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R336	1-216-049-91	RES-CHIP	1K	5%	1/10W
R068	1-249-429-11	CARBON	10K	5%	1/4W	R337	1-216-347-11	METAL OXIDE	0.68	5%	1W
R069	1-249-429-11	CARBON	10K	5%	1/4W	R340	1-216-105-91	RES-CHIP	220K	5%	1/10W
R070	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R341	1-216-073-00	RES-CHIP	10K	5%	1/10W
R071	1-249-409-11	CARBON	220	5%	1/4W	R342	1-216-097-91	RES-CHIP	100K	5%	1/10W
R072	1-216-033-00	RES-CHIP	220	5%	1/10W	R343	1-216-093-91	RES-CHIP	68K	5%	1/10W
R073	1-249-409-11	CARBON	220	5%	1/4W	R344	1-216-073-00	RES-CHIP	10K	5%	1/10W
R074	1-216-033-00	RES-CHIP	220	5%	1/10W	R346	1-216-023-00	RES-CHIP	82	5%	1/10W
R075	1-249-409-11	CARBON	220	5%	1/4W	R347	1-216-041-00	RES-CHIP	470	5%	1/10W
R076	1-216-033-00	RES-CHIP	220	5%	1/40V 1/10W	R348	1-216-033-00	RES-CHIP	220	5%	1/10W
R078	1-249-417-11	CARBON	1K	5% 5%	1/4W	R349	1-216-041-00	RES-CHIP	470	5%	1/10W
R079	1-216-033-00	RES-CHIP	220	5%	1/10W	R350	1-247-807-31	CARBON	100	5%	1/4W
R081	1-247-807-31	CARBON	100	5%	1/4W	R352	1-216-073-00	RES-CHIP	10K	5%	1/10W
R082	1-247-807-31	CARBON	100	5%	1/4W	R353	1-216-295-91	SHORT			
R083	1-249-429-11	CARBON	10K	5%	1/4W	R354	1-216-073-00	RES-CHIP	10K	5%	1/10W
R085	1-249-425-11	CARBON	4.7K	5%	1/4W	R355	1-216-069-00		6.8K	5%	1/10W
R086	1-216-073-00	RES-CHIP	10K	5%	1/10W	R356	1-216-025-91		100	5%	1/10W
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Note:

The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding x-ray radiation. Should replacement be required, replace only with the value originally used.



The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

REF.N	10.	PART NO.	DESCRIPTION	R	EMARK		REF.NO.	PART NO.	DESCRIPTION		REMARK	
R358		1-216-295-91	SHORT				R537 △	1-260-288-11	CARBON	0.47	5%	1/2W
R359		1-216-073-00	RES-CHIP	10K	5%	1/10W	R538	1-247-887-00	CARBON	220K	5%	1/4W
R360		1-249-409-11	CARBON	220	5%	1/4W	R539	1-215-891-11	METAL OXIDE	680	5%	2W
R361		1-216-049-91	RES-CHIP	1K	5%	1/10W	R540	1-208-826-11	METAL CHIP	68K	0.50%	1/10W
R362		1-216-073-00	RES-CHIP	10K	5%	1/10W	R541	1-215-919-11	METAL OXIDE	2.2K	5%	3W
11002		1 210 070 00	KLO OIIII	1010	0/0	1/1011	1.011	1 210 010 11	WETTE ON DE	Z.ZIX	070	OI V
R370		1-216-049-91	RES-CHIP	1K	5%	1/10W	R542	1-215-921-11	METAL OXIDE	4.7K	5%	3W
R372		1-216-097-91	RES-CHIP	100K	5%	1/10W	R543 △	1-249-377-11	CARBON	0.47	5%	1/4W
R373		1-216-121-91	RES-CHIP	1M	5%	1/10W	R544	1-216-113-00	RES-CHIP	470K	5%	1/10W
R374		1-216-041-00	RES-CHIP	470	5%	1/10W		1-249-387-11	CARBON	3.3	5%	1/4W
R375		1-216-049-91	RES-CHIP	1K	5%	1/10W	R546	1-215-453-00	METAL	22K	1%	1/4W
R376		1-216-025-91	RES-CHIP	100	5%	1/10W	R547	1-215-457-00	METAL	33K	1%	1/4W
R378		1-216-083-00	RES-CHIP	27K	5%	1/10W	R548	1-215-921-11	METAL OXIDE	4.7K	5%	3 W
R383		1-216-025-91	RES-CHIP	100	5%	1/10W	R549	1-215-437-00	METAL	4.7K	1%	1/4W
R384		1-216-037-00	RES-CHIP	330	5%	1/10W	R550 △	1-249-377-11	CARBON	0.47	5%	1/4W
R385		1-249-425-11	CARBON	4.7K	5%	1/4W	R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W
R386		1-249-429-11	CARBON	10K	5%	1/4W	R552	1-216-455-21	METAL OXIDE	560	5%	2W
R387		1-216-037-00	RES-CHIP	330	5%	1/10W	R553 △	1-260-288-11	CARBON	0.47	5%	1/2W
R398		1-216-095-00	RES-CHIP	82K	5%	1/10W	R554	1-215-894-11	METAL OXIDE	2.2K	5%	2W
R501		1-216-041-00	RES-CHIP	470	5%	1/10W	R555	1-249-441-11	CARBON	100K	5%	1/4W
R502		1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R556	1-249-441-11	CARBON	100K	5%	1/4W
		. =			-,-	.,		. =				
R503		1-249-425-11	CARBON	4.7K	5%	1/4W	R557	1-249-441-11	CARBON	100K	5%	1/4W
R504		1-216-455-21	METAL OXIDE	560	5%	2W	R559	1-216-017-91	RES-CHIP	47	5%	1/10W
R505		1-249-433-11	CARBON	22K	5%	1/4W	R560	1-215-919-11	METAL OXIDE	2.2K	5%	3 W
R506		1-215-861-00	METAL OXIDE	47	5%	1W	R561	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R507		1-249-401-11	CARBON	47	5%	1/4W	R563	1-214-798-21	METAL	1.8	1%	1/2W
R508		1-249-425-11	CARBON	4.7K	5%	1/4W	R565	1-215-889-00	METAL OXIDE	330	5%	2W
R509		1-260-328-11	CARBON	1K	5%	1/2W	R566	1-208-802-11	METAL CHIP	6.8K	0.50%	1/10W
	\triangle	1-215-883-11	METAL OXIDE	33	5%	2W		1-249-385-11	CARBON	2.2	5%	1/4W
R512		1-215-910-00	METAL OXIDE	68	5%	3W	R568	1-208-802-11	METAL CHIP	6.8K	0.50%	1/10W
R514		1-216-081-00	RES-CHIP	22K	5%	1/10W	R569	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R515		1-208-812-11	METAL CHIP	18K	0.50%	1/10W	R570	1-216-097-91	RES-CHIP	100K	5%	1/10W
R516		1-208-790-11	METAL CHIP	2.2K		1/10W	R571	1-216-081-00	RES-CHIP	22K	5%	1/10W
R517		1-249-417-11		1K	5%	1/4W	R572	1-216-081-00		22K	5%	1/10W
R518		1-216-073-00	RES-CHIP	10K	5%	1/10W	R573	1-216-097-91	RES-CHIP	100K	5%	1/10W
R519		1-249-413-11	CARBON	470	5%	1/4W	R574	1-214-798-21	METAL	1.8	1%	1/2W
DEON		1-215-907-11	METAL OVIDE	22	5 0/	3W	DETE	1 215 005 44	METAL OVIDE	10	E 0/	3W
R520			METAL OXIDE	22 22 k	5% 5%		R576	1-215-905-11	METAL OXIDE	10 1 <i>K</i>	5% 5%	
R521		1-216-081-00	RES-CHIP	22K	5% 0.50%	1/10W	R577	1-216-049-91	RES-CHIP	1K	5% 5%	1/10W
R523		1-208-808-11	METAL CHIP	12K	0.50%	1/10W	R578	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R524		1-249-429-11	CARBON	10K	5%	1/4W	R580	1-249-441-11	CARBON	100K	5%	1/4W
R525		1-208-804-11	METAL CHIP	8.2K	0.50%	1/10W	R581	1-247-887-00	CARBON	220K	5%	1/4W
R526		1-215-905-11	METAL OXIDE	10	5%	3W	R582	1-249-421-11	CARBON	2.2K	5%	1/4W
R527		1-216-097-91	RES-CHIP	100K	5%	1/10W	R1001	1-247-807-31	CARBON	100	5%	1/4W
R528		1-208-814-91	METAL CHIP	22K	0.50%	1/10W	R1001	1-247-807-31	CARBON	100	5%	1/4W
R529		1-208-814-91	METAL CHIP	22K	0.50%	1/10W	R1002	1-216-073-00	RES-CHIP	10K	5%	1/10W
R530	Λ	1-208-808-11	METAL CHIP	12K	0.50%	1/10W	R1005	1-216-073-00	RES-CHIP	10K	5%	1/10W
. 1000		. =00 000 11			0.0070	.,	1	0 0 0 0 0		. 511	5/0	.,
⊠ R531	\triangle	1-216-091-00	RES-CHIP	56K	5%	1/10W	R1006	1-216-025-91	RES-CHIP	100	5%	1/10W
R532		1-208-760-11	METAL CHIP	120	0.50%	1/10W	R1007	1-216-025-91	RES-CHIP	100	5%	1/10W
R533		1-215-902-11	METAL OXIDE	47K	5%	1W	R1011	1-249-387-11	CARBON	3.3	5%	1/4W
R536	\triangle	1-260-288-11	CARBON	0.47	5%	1/2W	R1012	1-216-049-91	RES-CHIP	1K	5%	1/10W
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The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

REF.NO.	PART NO.	DESCRIPTION		REMARK		REF.NO.	PART NO.	DESCRIPTION	ı	REMARK	
R1030	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R1365	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1031	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R1366	1-216-107-00	RES-CHIP	270K	5%	1/10W
R1101	1-216-049-91	RES-CHIP	1K	5%	1/10W	R1369	1-216-093-91	RES-CHIP	68K	5%	1/10W
R1102	1-215-900-11	METAL OXIDE	22K	5%	2W	R1371	1-216-295-91	SHORT	0011	070	1,1011
R1103	1-216-049-91	RES-CHIP	1K	5%	1/10W	R1373	1-216-025-91	RES-CHIP	100	5%	1/10W
111100	1-210-043-31	INEO-OTIII	Ш	J/0	1/1000	1(10/3	1-210-025-31	INEO-OTHI	100	J/0	1/1000
R1104	1-216-081-00	RES-CHIP	22K	5%	1/10W	R1374	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1105	1-216-085-00	RES-CHIP	33K	5%	1/10W	R1385	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1106	1-216-049-91	RES-CHIP	1K	5%	1/10W	R1387	1-249-429-11	CARBON	10K	5%	1/4W
R1107	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R1389	1-216-025-91	RES-CHIP	100	5%	1/10W
R1108	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1390	1-249-417-11	CARBON	1K	5%	1/4W
D4400	4 040 005 04	DEC CUID	400	m/	4/40\\	D4004	4 040 004 00	DEC CUID	2017	5 0/	4/40\\
R1109	1-216-025-91	RES-CHIP	100	5%	1/10W	R1391	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1110	1-216-025-91	RES-CHIP	100	5%	1/10W	R1392	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1113	1-249-417-11	CARBON	1K	5%	1/4W	R1395	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1114	1-249-417-11	CARBON	1K	5%	1/4W	R1397	1-216-025-91	RES-CHIP	100	5%	1/10W
R1115	1-216-041-00	RES-CHIP	470	5%	1/10W	R1398	1-216-033-00	RES-CHIP	220	5%	1/10W
R1117	1-249-425-11	CARBON	4.7K	5%	1/4W						
R1118	1-249-425-11	CARBON	4.7K	5%	1/4W		CWITCH				
R1123	1-216-037-00	RES-CHIP	330	5%	1/10W		<u>SWITCH</u>				
R1128	1-216-037-00	RES-CHIP	330	5%	1/10W	S501	1-572-707-11	SWITCH, LEVER			
			330	370	1/1000	S502	1-572-707-11				
R1129	1-216-295-91	SHORT				5502	1-012-101-11	SWITCH, LEVER			
R1301	1-249-401-11	CARBON	47	5%	1/4W						
R1302	1-249-401-11	CARBON	47	5%	1/4W		TRANSFORM	ER			
R1303	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
R1304	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	T501	1-437-195-11	TRANSFORMER, H			
R1305	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	T502 △	1-426-981-11	TRANSFORMER, FI		IT)	
111000	1 210 001 00	1120 01111		0/0	,,,,,,,	T503 △	1-453-338-21	FBT ASSY, NX-460	0		
R1306	1-216-049-91	RES-CHIP	1K	5%	1/10W	T504 △	1-424-584-11	TRANSFORMER, D'	YNAMIC FO	CUS	
R1313	1-216-295-91	SHORT	111	0/0	171000	T505 △	1-435-098-11	TRANSFORMER, H	ORIZONTAL	LINEAR	
R1314	1-216-049-91	RES-CHIP	1K	5%	1/10W						
R1315	1-216-025-91	RES-CHIP	100	5%	1/10W						
R1316	1-216-091-00	RES-CHIP	56K	5%	1/10W		THERMISTOR	?			
KISIO	1-210-091-00	KES-CHIP	JON	370	1/1000			_			
R1317	1-216-105-91	RES-CHIP	220K	5%	1/10W	TH501	1-800-193-00	THERMISTOR			
R1318	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
R1319	1-260-290-71	CARBON	0.68	5%	1/2W						
R1320	1-216-073-00	RES-CHIP	10K	5%	1/10W		<u>TUNER</u>				
R1321	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	TI 14.00 A	0 500 540 00	TUNED FOODTE M	IA 440		
						10102 21	0-030-042-00	TUNER, FSS BTF-W	11412		
R1322	1-216-047-91	RES-CHIP	820	5%	1/10W						
R1323	1-216-049-91	RES-CHIP	1K	5%	1/10W		CDVCTAL				
R1324	1-216-295-91	SHORT					CRYSTAL				
R1325	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	X001	1-781-931-21	VIBRATOR, CRYST	AL		
R1330	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	X302	1-567-505-11	OSCILLATOR, CRY			
D1222	1 216 065 04	DEC CUID	A 71/	E0/	1/10\1/						
R1333	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
R1337	1-216-049-91	RES-CHIP	1K	5%	1/10W						
R1358	1-216-025-91	RES-CHIP	100	5%	1/10W						
R1359	1-216-025-91	RES-CHIP	100	5%	1/10W						
R1360	1-216-049-91	RES-CHIP	1K	5%	1/10W						
R1361	1-216-049-91	RES-CHIP	1K	5%	1/10W						
R1362	1-216-113-00	RES-CHIP	470K	5%	1/10W						
R1363	1-216-057-00	RES-CHIP	2.2K	5%	1/10W						
R1364	1-216-097-91	RES-CHIP	100K	5%	1/10W						
111004	1-210-031-31	NLO-OI III	10011	J/0	1/1000						

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION RI	<u>EMARK</u>		REF.NO.	PART NO.	DESCRIPTION	RE	MARK	
Λ					C448	1-163-017-00	CERAMIC CHIP (KV-36FV16/36FV26	0.0047µF	10%	50V
A					C449	1-107-823-11	CERAMIC CHIP (KV-36FV16/36FV26	0.47µF	10%	16V
*	A-1299-265-A	AK COMPLETE PC BOARD			C453	1-163-017-00	CERAMIC CHIP (KV-36FV16/36FV26	0.0047µF	10%	50V
*	A-1299-235-A	(KV-36FS12 ONLY) AK COMPLETE PC BOARD			C454	1-163-133-00	CERAMIC CHIP (KV-36FV16/36FV26	470PF	5%	50V
±	A-1299-281-A	(KV-36FS16 ONLY) AK COMPLETE PC BOARD (KV-36FV16 ONLY)			C455	1-163-038-91	CERAMIC CHIP (KV-36FV16/36FV26	0.1µF		25V
*	A-1299-282-A	AK COMPLETE PC BOARD (KV-36FV26 ONLY)			C456	1-163-023-00	CERAMIC CHIP (KV-36FV16/36FV26		10%	50V
	4-382-854-11	SCREW (M3X10), P, SW (+)			C457	1-164-161-11	CERAMIC CHIP (KV-36FV16/36FV26	,	10%	50V
					C1401	1-126-963-11	ELECT	4.7μF	20%	50V
					C1402	1-126-968-11	ELECT	100µF	20%	50V
	CAPACITOR				C1403	1-126-963-11	ELECT	4.7µF	20%	50V
C101	1-126-960-11	ELECT 1µF	20%	50V	C1404	1-126-960-11	ELECT	1μF	20%	50V
		(ALL EXCEPT KV-36FS12)			C1405	1-126-960-11	ELECT	1µF	20%	50V
C102	1-164-161-11	CERAMIC CHIP 0.0022µF	10%	50V	C1406	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
		(ALL EXCEPT KV-36FS12)			C1407	1-163-989-11	CERAMIC CHIP	0.033µF	10%	25V
C104	1-126-964-11	ELECT 10µF (ALL EXCEPT KV-36FS12)	20%	50V	C1408	1-163-989-11	CERAMIC CHIP	0.033µF	10%	25V
C106	1-104-664-11	ELECT 47µF	20%	25V	C1409	1-164-182-11	CERAMIC CHIP	0.0033µF	10%	50V
		(ALL EXCEPT KV-36FS12)			C1410	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C108	1-126-942-61	ELECT 1000µF	20%	25V	C1411	1-164-182-11	CERAMIC CHIP	0.0033µF	10%	50V
		(ALL EXCEPT KV-36FS12)			C1412	1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V
					C1413	1-163-009-11	CERAMIC CHIP	0.022μ1 0.001μF	10%	50V
C109	1-163-259-91	CERAMIC CHIP 220PF (ALL EXCEPT KV-36FS12)	5%	50V				·		
C110	1-163-809-11	CERAMIC CHIP 0.047µF	10%	25V	C1414	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
0110	1 100 000 11	(ALL EXCEPT KV-36FS12)	1070	201	C1415	1-126-959-11	ELECT	0.47µF	20%	50V
C111	1-126-960-11	,	20%	50V	C1416	1-126-963-11	ELECT	4.7µF	20%	50V
OIII	1-120-300-11		2070	301	C1417	1-126-959-11	ELECT	0.47µF	20%	50V
C113	1-104-666-11	(ALL EXCEPT KV-36FS12) ELECT 220µF	20%	25V	C1420	1-163-037-11		0.022µF	10%	50V
C44E	4 400 000 44	(ALL EXCEPT KV-36FS12)	200/	501/	C1421	1-126-963-11		4.7μF	20%	50V
C115	1-126-960-11	ELECT 1µF	20%	50V	C1422		CERAMIC CHIP	0.1µF	10%	25V
		(ALL EXCEPT KV-36FS12)			C1426	1-126-941-11	ELECT (ALL EXCEPT KV-36	470µF FS12)	20%	25V
C175	1-126-941-11		20%	25V	C1428	1-126-963-11	ELECT	4.7µF	20%	50V
C440	1-126-965-11	ELECT 22μF (KV-36FV16/36FV26 ONLY)	20%	50V	C1429	1-126-963-11	ELECT	4.7µF	20%	50V
C441	1-163-038-91	CERAMIC CHIP 0.1µF (KV-36FV16/36FV26 ONLY)		25V	C1450	1-126-963-11	ELECT (KV-36FV16/36FV26	4.7µF ONLY)	20%	50V
C442	1-126-960-11	ELECT 1μF (KV-36FV16/36FV26 ONLY)	20%	50V	C1451	1-126-963-11	ELECT (KV-36FV16/36FV26	4.7µF	20%	50V
C443	1-163-038-91	CERAMIC CHIP 0.1µF (KV-36FV16/36FV26 ONLY)		25V	C1452	1-163-986-00	CERAMIC CHIP (KV-36FV16/36FV26	0.027µF ONLY)	10%	25V
0444	4 404 040 77	OFDAMIO OLUB		40)/	C1461	1-126-960-11	ELECT	1µF	20%	50V
C444	1-164-346-11	CERAMIC CHIP 1µF (KV-36FV16/36FV26 ONLY)		16V	C1462	1-126-960-11	ELECT	1µF	20%	50V
C445	1-163-038-91	CERAMIC CHIP 0.1µF		25V	C1464	1-162 020 04	CERAMIC CHIP	0.1µF		25V
	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(KV-36FV16/36FV26 ONLY)		-		1-163-038-91			200/	
C446	1-164-346-11	CERAMIC CHIP 1µF		16V	C1465	1-126-960-11		1μF	20%	50V
∪ 110	1 10 1 0 1 0-11	(KV-36FV16/36FV26 ONLY)		101	C1467	1-104-666-11		220µF	20%	25V
C447	1 107 000 44	,	100/	16\/	C1468	1-126-960-11		1μF	20%	50V
C447	1-10/-023-11	CERAMIC CHIP 0.47µF (KV-36FV16/36FV26 ONLY)	10%	16V	C1470	1-126-960-11	ELECT	1μF	20%	50V



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Note:

REF.NO.	PART NO.	DESCRIPTION		REMARK		REF.NO.	PART NO.	DESCRIPTION	REMARK
C1471	1-136-165-00	MYLAR	0.1µF	5%	50V	D107	8-719-991-33	DIODE 1SS133T-77	
C1472	1-137-194-81	MYLAR	0.47µF	5%	50V			(KV-36FV16/36FV26 ONLY)	
C1473	1-128-550-11		2200µF	20%	50V	D108	8-719-110-17	,	
C1474	1-136-165-00		0.1µF	5%	50V			(ALL EXCEPT KV-36FS12)	
C1475	1-128-550-11	ELECT	2200µF	20%	50V	D109	8-719-110-17	DIODE MTZJ-T-77-10B	
0.110	0 000 11		υομι	2070		2100	0 1 10 110 11	(ALL EXCEPT KV-36FS12)	
C1476	1-128-550-11	ELECT	2200µF	20%	50V	D1461	8-719-991-33	DIODE 1SS133T-77	
C1470	1-126-971-11		2200μΓ 470μF	20%	50V	D1461 D1463	8-719-991-33	DIODE 1SS133T-77	
C1477		ELECT	470μF	20%	50V	D1403	0-7 19-99 1-33	DIODE 1991991-11	
			•			D4.466	0.740.004.22	DIODE 400422T 77	
C1904	1-102-129-00		0.01µF	10%	50V	D1466	8-719-991-33		
04005	4 400 004 44	(KV-36FV16/36FV26		000/	50)/	D1467	8-719-924-13	DIODE MTZJ-T-77-22B	
C1905	1-126-964-11	ELECT	10µF	20%	50V	D1468	8-719-924-13		
		(KV-36FV16/36FV26	ONLY)			D1469	8-719-991-33	DIODE 1SS133T-77	
C1906	1-102-129-00	CERAMIC	0.01µF	10%	50V				
		(KV-36FV16/36FV26	ONLY)				<u>IC</u>		
C1907	1-126-964-11	ELECT	10µF	20%	50V				
		(KV-36FV16/36FV26	ONLY)			IC1401		IC BH3868FS-E2	
C1908	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	IC1402	8-759-100-96	IC NJM4558M-TE2	
		(KV-36FV16/36FV26	ONLY)			IC1403	8-759-537-26	IC TDA7467D013TR	
C1909	1-163-009-11	1	0.001µF	10%	50V			(KV-36FV16/36FV26 ONLY)	
•		(KV-36FV16/36FV26	•			IC1461 A	△ 8-759-246-70	IC TA8216H	
C1910	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	IC1901	8-752-058-68	IC CXA1315M-T4	
0.010		(KV-36FV16/36FV26		.570				(KV-36FV16/36FV26 ONLY)	
		(11.7 001 7 10/001 720	011217			IC1902	8-759-470-63	IC NJM2145M-TE2	
C1911	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V			(KV-36FV16/36FV26 ONLY)	
01911	1-100-003-11	(KV-36FV16/36FV26		10/0	50 V			,	
C1912	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V				
OIBIZ	1-100-003-11	(KV-36FV16/36FV26		10/0	JU V		CHID COVIDER	TOD.	
		(KV-30FV10/30FV20	ONLI)				CHIP CONDU		
						JR1901	1-216-295-91		
	CONNECTOR					JR1902	1-216-295-91	SHORT	
CN1462*	1-564-507-11	PLUG. CONNECTOR	4D						
CN1462 CN1463*		PLUG, CONNECTOR					COII		
							COIL		
CN1464*		PLUG, CONNECTOR				L102		INDUCTOR 10µH	
CN1465*	1-564-507-11		42			LIUZ	1-414-856-11		
		PLUG, CONNECTOR				L102	1-414-856-11	(ALL EXCEPT KV-36FS12)	
ON14 4002	4 504 545 41	(KV-36FV26 ONLY)						(ALL EXCEPT KV-36FS12)	
CN1466*	1-564-515-11	(KV-36FV26 ONLY)				L102	1-414-856-11	INDUCTOR 100µH	
		(KV-36FV26 ONLY) PLUG, CONNECTOR	12P			L105	1-414-857-11	INDUCTOR 100µH (ALL EXCEPT KV-36FS12)	
CN1466* CN1467*		(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR	12P 7P					INDUCTOR 100µH	
	1-564-510-11	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36	12P 7P			L105	1-414-857-11	INDUCTOR 100µH (ALL EXCEPT KV-36FS12)	
	1-564-510-11	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT)	12P 7P FS12)			L105	1-414-857-11 1-414-857-11	INDUCTOR 100µH (ALL EXCEPT KV-36FS12)	
CN1467*	1-564-510-11	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36	12P 7P FS12)			L105	1-414-857-11	INDUCTOR 100µH (ALL EXCEPT KV-36FS12)	
CN1467*	1-564-510-11	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT)	12P 7P FS12)			L105 L1401	1-414-857-11 1-414-857-11 IC LINK	INDUCTOR 100µH (ALL EXCEPT KV-36FS12)	
CN1467*	1-564-510-11 1-695-915-11	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT)	12P 7P FS12)			L105 L1401	1-414-857-11 1-414-857-11 IC LINK	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH	
CN1467* CN1468	1-564-510-11 1-695-915-11 DIODE	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36	12P 7P FS12) FS12)			L105 L1401	1-414-857-11 1-414-857-11 <u>IC LINK</u> ↑1-532-984-11	INDUCTOR 100μH (ALL EXCEPT KV-36FS12) INDUCTOR 100μH LINK, IC 2A/90V	
CN1467*	1-564-510-11 1-695-915-11	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT)	12P 7P FS12) FS12)			L105 L1401	1-414-857-11 1-414-857-11 IC LINK	INDUCTOR 100μH (ALL EXCEPT KV-36FS12) INDUCTOR 100μH LINK, IC 2A/90V	
CN1467* CN1468	1-564-510-11 1-695-915-11 DIODE	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36	12P 7P FS12) FS12)			L105 L1401 PS1461 2	1-414-857-11 1-414-857-11 IC LINK ↑ 1-532-984-11 TRANSISTOR	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V	STA
CN1467* CN1468	1-564-510-11 1-695-915-11 DIODE	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36	12P 7P FS12) FS12)			L105 L1401	1-414-857-11 1-414-857-11 IC LINK ↑ 1-532-984-11 TRANSISTOR	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V TRANSISTOR 2SC3311A-QRS	STA
CN1467* CN1468	1-564-510-11 1-695-915-11 DIODE 8-719-109-89	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36	12P 7P FS12) FS12)			L105 L1401 PS1461 Z	1-414-857-11 1-414-857-11 IC LINK 1-532-984-11 TRANSISTOR 8-729-423-33	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V TRANSISTOR 2SC3311A-QRS (ALL EXCEPT KV-36FS12)	
CN1467* CN1468	1-564-510-11 1-695-915-11 DIODE 8-719-109-89 8-719-991-33	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36 DIODE MTZJ-T-77-5.6 (ALL EXCEPT KV-36 DIODE 1SS133T-77	12P 7P FS12) FS12)			L105 L1401 PS1461 2	1-414-857-11 1-414-857-11 IC LINK 1-532-984-11 TRANSISTOR 8-729-423-33	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V TRANSISTOR 2SC3311A-QR8 (ALL EXCEPT KV-36FS12) TRANSISTOR 2SB709A-QR8-	
CN1467* CN1468 D101 D103	1-564-510-11 1-695-915-11 DIODE 8-719-109-89 8-719-991-33	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36 DIODE MTZJ-T-77-5.6 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36 DIODE 1SS133T-77	12P 7P FS12) FS12) 6C FS12) FS12)			L105 L1401 PS1461 2 Q101 Q105	1-414-857-11 1-414-857-11 IC LINK ↑ 1-532-984-11 TRANSISTOR 8-729-423-33 8-729-216-22	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V TRANSISTOR 2SC3311A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SB709A-QRS-(ALL EXCEPT KV-36FS12)	-TX
CN1467* CN1468 D101 D103 D104	1-564-510-11 1-695-915-11 DIODE 8-719-109-89 8-719-991-33 8-719-991-33	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36 DIODE MTZJ-T-77-5.6 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36	12P 7P FS12) FS12) 6C FS12) FS12)			L105 L1401 PS1461 Z	1-414-857-11 1-414-857-11 IC LINK ↑ 1-532-984-11 TRANSISTOR 8-729-423-33 8-729-216-22	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V TRANSISTOR 2SC3311A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SB709A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SD601A-QRS	-TX
CN1467* CN1468 D101 D103	1-564-510-11 1-695-915-11 DIODE 8-719-109-89 8-719-991-33 8-719-991-33	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36 DIODE MTZJ-T-77-5.6 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36 DIODE 1SS133T-77	12P 7P FS12) FS12) 6C FS12) FS12) FS12)			L105 L1401 PS1461 2 Q101 Q105	1-414-857-11 1-414-857-11 IC LINK 1-532-984-11 TRANSISTOR 8-729-423-33 8-729-216-22 8-729-422-27	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V TRANSISTOR 2SC3311A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SB709A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SD601A-QRS (ALL EXCEPT KV-36FS12)	-ТХ
CN1467* CN1468 D101 D103 D104 D105	1-564-510-11 1-695-915-11 DIODE 8-719-109-89 8-719-991-33 8-719-991-33	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36 DIODE MTZJ-T-77-5.6 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (KV-36FV16/36FV26	12P 7P FS12) FS12) 6C FS12) FS12) FS12)			L105 L1401 PS1461 2 Q101 Q105	1-414-857-11 1-414-857-11 IC LINK ↑ 1-532-984-11 TRANSISTOR 8-729-423-33 8-729-216-22	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V TRANSISTOR 2SC3311A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SB709A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SD601A-QRS (ALL EXCEPT KV-36FS12)	-ТХ
CN1467* CN1468 D101 D103 D104	1-564-510-11 1-695-915-11 DIODE 8-719-109-89 8-719-991-33 8-719-991-33	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36 DIODE MTZJ-T-77-5.6 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (KV-36FV16/36FV26 DIODE 1SS133T-77	12P 7P FS12) FS12) FS12) FS12) FS12) ONLY)			L105 L1401 PS1461 2 Q101 Q105 Q106	1-414-857-11 1-414-857-11 IC LINK 1-532-984-11 TRANSISTOR 8-729-423-33 8-729-216-22 8-729-422-27	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V TRANSISTOR 2SC3311A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SB709A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SD601A-QRS (ALL EXCEPT KV-36FS12)	-ТХ
CN1467* CN1468 D101 D103 D104 D105	1-564-510-11 1-695-915-11 DIODE 8-719-109-89 8-719-991-33 8-719-991-33	(KV-36FV26 ONLY) PLUG, CONNECTOR PLUG, CONNECTOR (ALL EXCEPT KV-36 TAB (CONTACT) (ALL EXCEPT KV-36 DIODE MTZJ-T-77-5.6 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (ALL EXCEPT KV-36 DIODE 1SS133T-77 (KV-36FV16/36FV26	12P 7P FS12) FS12) FS12) FS12) FS12) ONLY)			L105 L1401 PS1461 2 Q101 Q105 Q106	1-414-857-11 1-414-857-11 IC LINK 1-532-984-11 TRANSISTOR 8-729-423-33 8-729-216-22 8-729-422-27 8-729-140-97	INDUCTOR 100µH (ALL EXCEPT KV-36FS12) INDUCTOR 100µH LINK, IC 2A/90V TRANSISTOR 2SC3311A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SB709A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SD601A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SD601A-QRS (ALL EXCEPT KV-36FS12) TRANSISTOR 2SB734-T-34	-тх

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK		REF.NO.	PART NO.	DESCRIPTION		REMARK	
Q1462	8-729-422-27	TRANSISTOR 2SD601A-QRS	-TX		R1406	1-216-121-91	RES-CHIP	1M	5%	1/10W
Q1463	8-729-900-53	TRANSISTOR DTC114EKA-T			R1407	1-216-073-00	RES-CHIP	10K	5%	1/10W
Q1464	8-729-900-53	TRANSISTOR DTC114EKA-T			R1408	1-216-295-91	SHORT	1011	0,0	171011
Q1902	8-729-216-22	TRANSISTOR 2SB709A-QRS			111400	1 210 200 01	(KV-36FV16/36FV26	e ONI V\		
Q130Z	0-123-210-22	(KV-36FV16/36FV26 ONLY)	-17		R1409	1-216-295-91	SHORT	JONET		
Q1903	8-729-216-22	TRANSISTOR 2SB709A-QRS	TV		R1410	1-216-081-00	RES-CHIP	22K	5%	1/10W
Q1903	0-729-210-22	(KV-36FV16/36FV26 ONLY)	-17		K1410	1-210-001-00	KES-CHIF	ZZN	3%	1/1000
01010	0 700 046 00	TRANSISTOR 2SB709A-QRS	TV		D4.444	1 216 072 00	DEC CUID	101/	E0/	1/10///
Q1918	8-729-216-22		-17		R1411	1-216-073-00	RES-CHIP RES-CHIP	10K	5% 59/	1/10W
		(KV-36FV16/36FV26 ONLY)			R1412	1-216-089-91	RES-CHIP	47K	5% 59/	1/10W
					R1413	1-216-089-91	RES-CHIP	47K	5% 5%	1/10W
					R1415 R1416	1-216-025-91 1-216-081-00	RES-CHIP	100 22K	5% 5%	1/10W 1/10W
	RESISTOR				K1410	1-210-001-00	NEO-CI IIF	ZZIN	3/0	1/1000
R101	1-216-065-91	RES-CHIP 4.7K	5%	1/10W	R1417	1-216-081-00	RES-CHIP	22K	5%	1/10W
		(ALL EXCEPT KV-36FS12)	0,0	.,	R1418	1-216-089-91	RES-CHIP	47K	5%	1/10W
R102	1-216-085-00	RES-CHIP 33K	5%	1/10W	R1420	1-216-295-91	SHORT	4/11	J/0	1/1000
11102	1 210 000 00	(ALL EXCEPT KV-36FS12)	0/0	1/1011	N 1420	1-210-295-91	(KV-36FS12/36FS16	CONIV		
R103	1-216-081-00	RES-CHIP 22K	5%	1/10W	D4.404	1 216 025 01	RES-CHIP	,	E0/	4/40\\\
11100	1-210-001-00	(ALL EXCEPT KV-36FS12)	3/0	1/1044	R1421 R1422	1-216-025-91		100	5% 5%	1/10W
R104	1-216-049-91	,	5%	1/10W	K1422	1-216-033-00	RES-CHIP	220	5%	1/10W
IXIO T	1-210-0-0-0-01	(ALL EXCEPT KV-36FS12)	3/0	1/1000	D4400	4 040 000 00	DEO OLUD	000	F 0/	4/40/4/
R112	1-216-057-00	RES-CHIP 2.2K	5%	1/10W	R1423	1-216-033-00	RES-CHIP	220	5%	1/10W
KIIZ	1-210-037-00	(ALL EXCEPT KV-36FS12)	3/0	1/ 1000	R1424	1-216-073-00	RES-CHIP	10K	5%	1/10W
		(ALL EXCEPT RV-30F312)			R1425	1-216-073-00	RES-CHIP	10K	5%	1/10W
D440	4 040 007 04	RES-CHIP 100K	m/	4/40\\	R1427	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R113	1-216-097-91	RES-CHIP 100K (ALL EXCEPT KV-36FS12)	5%	1/10W	R1458	1-216-033-00	RES-CHIP	220	5%	1/10W
D444	1 046 404 04	RES-CHIP 1M	E0/	1/10\\\			(KV-36FV16/36FV26	3 ONLY)		
R114	1-216-121-91		5%	1/10W			5-6 61115			
D44E	1 216 072 00	(ALL EXCEPT KV-36FS12) RES-CHIP 10K	5%	1/10W	R1459	1-216-033-00	RES-CHIP	220	5%	1/10W
R115	1-216-073-00		3%	1/1000			(KV-36FV16/36FV26	,		
D440	4 040 070 00	(ALL EXCEPT KV-36FS12)	5 0/	4/40/4/	R1461	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R116	1-216-073-00	RES-CHIP 10K	5%	1/10W	R1462	1-216-073-00	RES-CHIP	10K	5%	1/10W
D447	4 040 005 04	(ALL EXCEPT KV-36FS12)	0.500/	4/40\4/	R1464	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R117	1-216-065-91	RES-CHIP 4.7K	0.50%	1/10W	R1465	1-216-089-91	RES-CHIP	47K	5%	1/10W
		(ALL EXCEPT KV-36FS12)								
D440	4 200 774 44	METAL CLUD 470	0.500/	4/40\\	R1466	1-216-089-91	RES-CHIP	47K	5%	1/4W
R118	1-208-774-11	METAL CHIP 470	0.50%	1/10W	R1467	1-216-073-00	RES-CHIP	10K	5%	1/4W
D440	4 000 770 44	(ALL EXCEPT KV-36FS12)	0.500/	4/40\4/	R1469	1-249-389-11	CARBON	4.7	5%	1/10W
R119	1-208-776-11	METAL CHIP 560	0.50%	1/10W	R1470	1-249-389-11	CARBON	4.7	5%	1/10W
D440	4 040 040 04	(ALL EXCEPT KV-36FS12)	5 0/	4/40\4/	R1471	1-216-049-91	RES-CHIP	1K	5%	1/10W
R440	1-216-049-91	RES-CHIP 1K	5%	1/10W	_					
D444	4 040 400 00	(KV-36FV16/36FV26 ONLY)	5 0/	4/40\4/	R1472	1-216-077-91		15K	5%	1/10W
R441	1-216-100-00	RES-CHIP 130K	5%	1/10W	R1473	1-216-049-91	RES-CHIP	1K	5%	1/10W
D440	4 040 000 00	(KV-36FV16/36FV26 ONLY)	5 0/	4/40\4/	R1474	1-216-045-00	RES-CHIP	680	5%	1/10W
R442	1-216-088-00	RES-CHIP 43K	5%	1/10W	_		(KV-36FS12/36FS16	,		
		(KV-36FV16/36FV26 ONLY)			R1474	1-216-025-91	RES-CHIP	100	5%	1/10W
D.440	4 040 050 00	DEO OLUD	5 0/	4/40/4/			(KV-36FV16/36FV26	,		
R443	1-216-053-00	RES-CHIP 1.5K	5%	1/10W	R1475	1-216-045-00	RES-CHIP	680	5%	1/10W
		(KV-36FV16/36FV26 ONLY)					(KV-36FS12/36FS16	3 ONLY)		
R444	1-216-089-91	RES-CHIP 47K	5%	1/10W						
		(KV-36FV16/36FV26 ONLY)			R1475	1-216-025-91	RES-CHIP	100	5%	1/10W
R445	1-216-085-00	RES-CHIP 33K	5%	1/10W			(KV-36FV16/36FV26	3 ONLY)		
		(KV-36FV16/36FV26 ONLY)			R1480	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R446	1-216-063-91	RES-CHIP 3.9K	5%	1/10W	R1481	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
		(KV-36FV16/36FV26 ONLY)			R1482	1-216-295-91	SHORT			
R450	1-216-073-00	RES-CHIP 10K	5%	1/10W	R1483	1-216-295-91	SHORT			
		(KV-36FV26 ONLY)			R1902	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1403	1-216-121-91		5%	1/10W			(KV-36FV16/36FV26	3 ONLY)		
R1404	1-216-295-91	SHORT								



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Note:

REF.NO.	PART NO.	DESCRIPTION		REMARK		REF.NO.	PART NO.	DESCRIPTION		REMARK	
R1904	1-216-073-00	RES-CHIP	10K	5%	1/10W	KEI .NO.	CONNECTOR	DESCRIPTION		INCHIANN	
K 1904	1-210-073-00	(KV-36FV16/36FV26		370	1/1000						
R1906	1-216-073-00	RES-CHIP	10K	5%	1/10W	CN1761*		PLUG, CONNECTOR			
		(KV-36FV16/36FV26	ONLY)			CN1764" CN1766		PLUG, CONNECTOR TAB (CONTACT)	512		
R1907	1-216-033-00	RES-CHIP	220	5%	1/10W	ONTTOO	1 000 010 11	THE (CONTINCT)			
R2904	1-216-033-00	(KV-36FV16/36FV26 RES-CHIP	ONLY) 220	5%	1/10W						
K2904	1-210-033-00	(KV-36FV16/36FV26		370	1/1000		DIODE				
R2905	1-216-033-00	RES-CHIP	220	5%	1/10W	D1790	8-719-991-33	DIODE 1SS133T-77			
		(KV-36FV16/36FV26	ONLY)			D1790 D1791		DIODE 1831331-77			
D0000	4 040 070 00	DE0 0111D	4014	5 70 /	4/4014	D1792		DIODE 1N4003GA			
R2909	1-216-073-00	RES-CHIP (KV-36FV16/36FV26	10K	5%	1/10W	D1793		DIODE 1N4003GA			
R2910	1-216-073-00	RES-CHIP	10K	5%	1/10W	D1794	8-719-075-33	DIODE 1N4003GA			
112010	1 210 010 00	(KV-36FV16/36FV26		070	1,7017						
R2912	1-216-065-91	RES-CHIP	4.7K	5%	1/10W		<u>IC</u>				
D0040	4 040 070 00	(KV-36FV16/36FV26		5 70 /	4/4014		<u>IC</u>				
R2913	1-216-073-00	RES-CHIP	10K	5%	1/10W	IC1701 △	8-759-562-43	IC TDA6108JF/N1B			
R2914	1-216-073-00	(KV-36FV16/36FV26 RES-CHIP	10K	5%	1/10W						
112011	1 210 010 00	(KV-36FV16/36FV26		070	171077		IACK				
R2915	1-216-073-00	RES-CHIP	10K	5%	1/10W		<u>JACK</u>				
		(KV-36FV16/36FV26	,			J1761 🛆	1-251-797-11	SOCKET, CRT			
R2916	1-216-073-00	RES-CHIP	10K	5%	1/10W						
		(KV-36FV16/36FV26	ONLT)				COII				
							COIL				
	TUNER					L1790	1-412-537-31	INDUCTOR	100µH		
TI 1101 A	8-598-501-20	TUNER, FSS BTF-FA	402								
10101 213	. 0-090-001-20	(ALL EXCEPT KV-36					TDANCICTOR				
		(ALL LAGE) THE GO	1012)				TRANSISTOR				
						Q1790	8-729-119-76	TRANSISTOR 2SA13	09A-QRST	ГА	
							DECICEOD				
							RESISTOR				
						R1750	1-247-870-11		43K	5%	1/4W
*	A-1331-942-A	C (VAR) MOUNTED F	PC BOARD)		R1751	1-249-409-11		220	5%	1/4W
						R1752		CARBON	220	5%	1/4W
	4-382-854-11	SCREW (M3X10), P,	SW (+)			R1763	1-249-409-11 1-260-099-11		220 1K	5% 5%	1/4W 1/2W
						K1703	1-200-099-11	CARDON	IIX	3/0	1/200
	CAPACITOR					R1764	1-247-807-31	CARBON	100	5%	1/4W
	CAFACITUR					R1773	1-260-099-11	CARBON	1K	5%	1/2W
C1750	1-137-528-11	MYLAR	0.1µF	10%	250V	R1774	1-247-807-31		100	5%	1/4W
C1751	1-107-655-11	ELECT	47μF	20%	250V	R1783	1-260-099-11	CARBON	1K	5%	1/2W
C1790	1-102-129-00	CERAMIC	0.01µF	10%	50V	R1784	1-247-807-31	CARBON	100	5%	1/4W
C1791	1-126-968-11	ELECT	100µF	20%	50V						
C1792	1-102-116-00	CERAMIC	680PF	10%	50V	R1788	1-216-349-00	METAL OXIDE	1	5%	1W
						R1789	1-249-437-11	CARBON	47K	5%	1/4W
C1794	1-107-651-11	ELECT	4.7µF	20%	250V	R1792	1-249-409-11	CARBON	220	5%	1/4W
C1795	1-102-074-00	CERAMIC	0.001µF		50V	R1793	1-247-866-11		30K	5%	1/4W
C1799	1-162-114-00		0.0047µl		2KV	R1794	1-260-132-11		560K	5%	1/2W
			•								
						R1795	1-260-087-11	CARBON	100	5%	1/2W
								METAL OXIDE	2.2	5%	2W
						R1797	1-260-123-11	CARBON	100K	5%	1/2W

Note:

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REF.NO.	PART NO.	DESCRIPTION	RE	MARK		REF.NO.	PART NO.	DESCRIPTION		REMARK	
	VARIABLE R	<u>esistor</u>				C657	1-136-165-00	MYLAR	0.1µF	5%	50\
		DE0 4D METAL E				C658	1-126-942-61	ELECT	1000µF	20%	25\
V1761	1-241-/14-11	RES, ADJ, METAL F	ILM 110M			C660	1-126-936-11	ELECT	3300µF	20%	16\
						C661	1-104-664-11	ELECT	47µF	20%	25\
									•		
	1					C662	1-126-933-11	ELECT	100µF	20%	16\
(i						C665	1-104-664-11	ELECT	47µF	20%	25\
$\underline{\hspace{1cm}}$	_					C695	1-164-625-11	CERAMIC	680PF	10%	500
						C696	1-164-625-11		680PF	10%	500
						C697	1-164-625-11		680PF	10%	500
*	A-1316-397-A	G COMPLETE PC BO	ARD								
						C698	1-164-625-11		680PF	10%	500
	1-533-223-11	HOLDER, FUSE				C699	1-136-169-00	MYLAR	0.22µF	5%	50\
	4-382-854-11		SW (+)								
	1 002 001 11	CONETT (MOX10), 1,	OTT (1)								
							CONNECTOR				
	CAPACITOR					CN601 *	1-573-963-11	PIN, CONNECTOR () 3P	
2601	1-136-346-21	MYLAR	0.22µF	20%	125V	CN602 *	1-580-844-11	PIN, CONNECTOR (F			
2602	1-126-964-11		0.22μι 10μF	20%	50V	CN603 *	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P	
						CN641 *	1-564-515-11				
	1-113-903-11		1000PF	20%	250V	CN642 *	1-564-509-11	PLUG, CONNECTOR			
	1-136-346-21		0.22µF	20%	125V	CN645	1-695-915-11	TAB (CONTACT)			
C605 △	1-136-346-21	MYLAR	0.22µF	20%	125V	CN646	1-695-915-11	TAB (CONTACT)			
2005		FLEOT	=05 =	000	0.50	OI VOTO	1 000-010-11	IND (OUNTAUT)			
	1-117-894-11	ELECT	560µF	20%	250V						
	. 1-117-894-11	ELECT	560µF	20%	250V		DIADE				
2608	1-107-824-11	CERAMIC	220PF	5%	1KV		DIODE				
2609	1-136-176-00	MYLAR	0.82µF	5%	50V	D600	8-719-991-33	DIODE 1SS133T-77			
C610	1-136-176-00	MYLAR	0.82µF	5%	50V	D601	8-719-991-33	DIODE 1SS133T-77			
C611	1-136-169-00	MYLAR	0.22µF	5%	50V		8-719-510-53	DIODE D4SB60L-F	•		
C612	1-136-169-00		0.22µF	5%	50V	D603	8-719-063-70	DIODE D1NL20U-TA	2		
C613	1-164-646-11		2200PF	10%	500V	D604	8-719-991-33	DIODE 1SS133T-77			
C614	1-126-963-11		4.7µF	20%	50V	D605	8-719-923-83	DIODE MTZJ-T-77-1	3A		
C615	1-117-976-11	FILM	0.039µF	5%	800V	D606	8-719-110-60	DIODE MTZJ-T-77-2	4B		
						D607	8-719-109-97	DIODE MTZJ-T-77-6	8B		
C616 △	1-113-903-11	CERAMIC	1000PF	20%	250V	D608	8-719-109-97				
C617	1-126-967-11	ELECT	47µF	20%	50V	D612	8-719-991-33	DIODE 1SS133T-77	00		
C618	1-126-968-11		100µF	20%	50V	5012	0-112-221-03	וואסואסו שעטוע ווייטוע			
2624	1-126-960-11		1µF	20%	50V	D040	0.740.004.00	DIODE 400400T ==			
	1-107-662-11		22µF	20%	250V	D613	8-719-991-33				
JULU (11)	. 7 107 002 11	LLLUI	- - 2µ1	20/0	2001	D614	8-719-991-33	DIODE 1SS133T-77			
2630	1-130-471-00	MVI AD	0.004	E 0/	50\/	D621	8-719-911-55	DIODE ERC04-06S			
2630			0.001µF	5%	50V	D622	8-719-911-55	DIODE ERC04-06S			
2631	1-137-605-11		0.01µF	10%	250V	D623	8-719-948-45	DIODE ERA22-08TP	3		
2633	1-130-471-00	MYLAR	0.001µF	5%	50V						
C634	1-130-467-00		470PF	5%	50V	D624	8-719-991-33	DIODE 1SS133T-77			
C635	1-130-471-00	MYLAR	$0.001 \mu F$	5%	50V	D625	8-719-991-33				
						D626	8-719-109-93	DIODE MTZJ-T-77-6	2C		
2636	1-126-965-11	ELECT	22µF	20%	50V	D627	8-719-510-48	DIODE D1N20R-TA	20		
2637	1-126-940-11	ELECT	330µF	20%	25V						
C641	1-128-550-11	ELECT	2200µF	20%	50V	D628	8-719-510-02	DIODE D1NS4-TA2			
2643	1-107-995-11		2200μΓ 100μF	-0/0	160V	I _					
				200/	25V	D629	8-719-052-90	DIODE D1NL40-TA2			
C647	1-104-665-11	ELECT	100µF	20%	201	D630	8-719-052-90	DIODE D1NL40-TA2			
2050		FLEOT		0001	0=1/	D641	8-719-060-89	DIODE D4SBS6-F			
C650	1-104-664-11		47μF	20%	25V	D642	8-719-510-12				
C651	1-130-477-00	MYLAR	0.0033µF	5%	50V	D643	8-719-062-40	DIODE D4SBL20UF3	}		
C652	1-106-351-00	MYLAR	0.0022µF	20%	200V		J J J J L 10	3.022 D 10DLE001 (-		
2653	1-107-636-11	ELECT	10µF	20%	160V	D647	8-719-063-70	DIODE D1NL20U-TA	2		
2050	1-126-964-11	FLECT	10µF	20%	50V			DIODE EZ0150AV1	_		
C656	1-120-3011										



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Note:

D651	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK	
ו כסל	8-719-510-02	DIODE D1NS4-TA2		Q653	8-729-423-33	TRANSISTOR 2SC	3311A-QRS	ГА	
0652	8-719-510-02	DIODE D1NS4-TA2							
653	8-719-991-33	DIODE 1SS133T-77							
698	8-719-991-33	DIODE 1SS133T-77			RESISTOR				
699	8-719-923-86	DIODE MTZJ-T-77-15			KLOIOTOK				
				R601 △	1-249-377-11	CARBON	0.47	5%	1/4W
				R602	1-249-429-11	CARBON	10K	5%	1/4W
	FUEF			R603 △	1-219-776-11	CARBON	2.2M	10%	1/2W
	<u>FUSE</u>			R604	1-249-429-11	CARBON	10K	5%	1/4W
601 <u></u>	1-532-506-51	FUSE 6.3A/250V		R605	1-249-429-11	CARBON	10K	5%	1/4W
				R606	1-249-421-11	CARBON	2.2K	5%	1/4W
	FERRITE BE	AD.		R607 △	1-202-933-61	FUSIBLE	0.1	10%	1/2W
		<u></u>		R608	1-216-369-00	METAL OXIDE	1	5%	2W
B601	1-410-396-41	FERRITE	0.45µH	R609	1-249-417-11	CARBON	1K	5%	1/4W
B602	1-410-396-41	FERRITE	0.45µH	R610	1-249-425-11	CARBON	4.7K	5%	1/4W
B603	1-410-396-41	FERRITE	0.45µH						
B604	1-410-396-41	FERRITE	0.45µH	R611	1-216-369-00	METAL OXIDE	1	5%	2W
B641	1-410-397-21	FERRITE	1.1µH	R612	1-260-124-11	CARBON	120K	5%	1/2W
			•	R613	1-260-124-11	CARBON	120K	5%	1/2W
B642	1-410-397-21	FERRITE	1.1µH	R614	1-260-124-11	CARBON	120K	5%	1/2W
B645	1-410-397-21	FERRITE	1.1µH	R615	1-260-124-11	CARBON	120K	5% 5%	1/2W
B647	1-410-397-21	FERRITE	1.1µH	KOIS	1-200-124-11	CANDON	1201	3/0	1/244
				R618	1-249-425-11	CARBON	4.7K	5%	1/4W
				R619	1-249-425-11	CARBON	4.7K	5%	1/4W
	<u>IC</u>			R621	1-249-429-11	CARBON	10K	5%	1/4W
	<u>10</u>			R622	1-249-433-11	CARBON	22K	5%	1/4W
601 🛆	8-729-045-41	TRANSISTOR MX084	12B-F		1-240-257-11		3.9	5%	20W
622	8-759-450-47	IC BA05T		11025 213	1-240-237-11	CIVIT-IVILLI	3.3	J/0	2000
2641	8-759-653-07	IC PQ09RD21		R624 △	1 245 405 00	METAL	4701/	40/	4/4\4/
643	8-749-012-13	IC DM-58		-	1-215-485-00	METAL	470K	1%	1/4W
650	8-759-394-35	IC BA12T			1-215-485-00	METAL	470K	1%	1/4W
,000	0 700 00 1 00	IO BITTET		R626	1-249-425-11	CARBON	4.7K	5%	1/4W
				R627	1-249-405-11	CARBON	100	5%	1/4W
	COIL			R631	1-240-205-91	CARBON	22M	5%	1/2W
140	4 440 500 44	INDLICTOR	00.41	R632	1-249-421-11	CARBON	2.2K	5%	1/4W
642	1-412-529-11	INDUCTOR	22µH	R633	1-249-429-11	CARBON	10K	5%	1/4W
550	1-412-519-11	INDUCTOR	3.3µH	R634	1-249-437-11	CARBON	47K	5%	1/4W
651	1-412-519-11	INDUCTOR	3.3µH	R635	1-247-791-91		22	5%	1/4W
652	1-412-519-11	INDUCTOR	3.3µH	R636	1-249-415-11	CARBON	680	5%	1/4W
				R637	1-260-302-51	CARBON	6.8	5%	1/2W
	TRANSISTOR			R638	1-249-413-11	CARBON	470	5%	1/4W
621 ^	0 700 044 00	TRANSISTOR 2SK28	245 I D102		1-249-389-11	CARBON	4.7	5%	1/4W
	8-729-044-30			R640	1-215-485-00	METAL	470K	1%	1/4W
622	8-729-423-33	TRANSISTOR 2SC33		R641	1-247-843-11	CARBON	3.3K	5%	1/4W
623	8-729-423-33	TRANSISTOR 2SC33			0 10 11	J VII	3.0.1	0,0	.,
624	8-729-119-76	TRANSISTOR 2SA13		R642	1-247-843-11	CARBON	3.3K	5%	1/4W
644	8-729-423-33	TRANSISTOR 2SC33	11A-QRSTA	R643	1-260-298-51	CARBON	3.3	5%	1/4VV 1/2W
						-			
645	8-729-119-76	TRANSISTOR 2SA13		R644	1-249-417-11	CARBON	1K	5% 5%	1/4W
646	8-729-119-76	TRANSISTOR 2SA13	09A-QRSTA	R645	1-249-429-11	CARBON	10K	5% 5%	1/4W
647	8-729-423-33	TRANSISTOR 2SC33	11A-QRSTA	R646	1-249-417-11	CARBON	1K	5%	1/4W
648	8-729-922-39	TRANSISTOR 2SD21						_	
	8-729-119-76	TRANSISTOR 2SA13		R648	1-249-441-11	CARBON	100K	5%	1/4W
049				R649	1-249-425-11	CARBON	4.7K	5%	1/4W
049									
	8-729-423-33	TRANSISTOR 25033	11A-ORSTA	R650	1-249-421-11	CARBON	2.2K	5%	1/4W
649 650 651	8-729-423-33 8-729-802-71	TRANSISTOR 2SC33			1-249-421-11 1-216-363-00		2.2K 0.33	5% 5%	1/4W 2W

Note:

Les composants identifies per un trame et une marque safety. Replace

d. Les composants identifies per un trame et une marque

sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	F	REMARK	
R654	1-215-481-00	METAL	330K	1%	1/4W
R655	1-215-469-00	METAL	100K	1%	1/4W
R656	1-249-427-11	CARBON	6.8K	5%	1/4W
R657	1-249-421-11	CARBON	2.2K	5%	1/4W
R659	1-249-429-11	CARBON	10K	5%	1/4W
R660	1-249-393-11	CARBON	10	5%	1/4W
R661 △	1-249-419-11	CARBON	1.5K	5%	1/4W
R662	1-215-485-00	METAL	470K	1%	1/4W
R663	1-215-445-00	METAL	10K	1%	1/4W
R664 △	1-240-257-11	CMT-MELF	3.9	5%	20W
R665	1-249-425-11	CARBON	4.7K	5%	1/4W
R670	1-260-312-11	CARBON	47	5%	1/2W
R671	1-260-312-11	CARBON	47	5%	1/2W
R680	1-216-364-11	METAL OXIDE	0.39	5%	2W
R681	1-216-365-00	METAL OXIDE	0.47	5%	2W
R699	1-249-429-11	CARBON	10K	5%	1/4W

RELAY

RY600 △	1-755-266-11	RELAY, AC POWER
RY601 △	1-755-198-11	RELAY

TRANSFORMER

T601	△ 1-426-717-11	TRANSFORMER, LINE FILTER (LFT)
T602	△ 1-426-717-11	TRANSFORMER, LINE FILTER (LFT)
T603	△ 1-429-992-11	TRANSFORMER, CONVERTER (PRT)
T605		TRANSFORMER, CONVERTER (PIT)
T621	△ 1-431-852-11	TRANSFORMER, CONVERTER (SRT)

THERMISTOR

THP603 1-803-629-11 THERMISTOR, POSITIVE

VARISTOR

VDR601	1-801-074-41	VARISTOR ERZV10D271	
VDR602 △	1-801-074-41	VARISTOR ERZV10D271	



A-1372-634-A HA MOUNTED PC BOARD (KV-36FV16/36FV26 ONLY)

CAPACITOR

C1234	1-126-960-11	ELECT	1µF	20%	50V
C1235	1-117-534-91	ELECT	1uF	20%	100V

REF.NO.	PART NO.	DESCRIPTION		REMARK	
C1239	1-216-295-91	SHORT			
	CONNECTOR				
CN1232*	1-564-512-11	PLUG, CONNECTOR	9P		
	DIODE				
D1233	8-719-110-17	DIODE MTZJ-T-77-10)B		
	<u>JACK</u>				
J1231	1-770-361-11	TERMINAL BLOCK,	S		
	RESISTOR				
R201	1-216-049-91	RES-CHIP	1K	5%	1/10W
R202	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R203	1-216-065-91		4.7K	5%	1/10W
R1233	1-216-065-91		4.7K	5%	1/10W
R1235	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1236	1-216-113-00	RES-CHIP	470K	5%	1/10W
R1237	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1238	1-216-113-00	RES-CHIP	470K	5%	1/10W
	<u>SWITCH</u>				
S2007	1-572-198-11	SWITCH, KEYBOARD)		
S2008	1-572-198-11	SWITCH, KEYBOARI)		
S2009	1-572-198-11	SWITCH, KEYBOARI)		
S2010	1-572-198-11	SWITCH, KEYBOARD)		



* A-1372-635-A HB MOUNTED PC BOARD (KV-36FV16/36FV26 ONLY)

CAPACITOR

C2001	1-104-665-11	ELECT	100µF	20%	25V
C2002	1-164-096-11	CERAMIC	0.01µF		50V

CONNECTOR

CN2001* 1-564-520-11 PLUG, CONNECTOR 5P

KV-36FS12/36FS16/36FV16/36FV26



Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION		REMARK		RE
	DIODE					
D2002 D2003	8-719-057-09 8-719-057-09	DIODE LNJ801L DIODE LNJ801L				R2 R2 R2 R1
	<u>IC</u>					R1
IC2001 8-	742-211-20	HYB IC SBX307	1-71			R1 R2
	RESISTOR					R2
R2001 R2002 R2003	1-216-049-91 1-216-049-91 1-216-017-91	RES-CHIP RES-CHIP RES-CHIP	1K 1K 47	5% 5% 5%	1/10W 1/10W 1/10W	CO
						S2 S2



* A-1372-822-A HS MOUNTED PC BOARD

(KV-36FS12/36FS16 ONLY)

CAPACITOR

C1234	1-126-960-11	ELECT	1µF	20%	50V
C1235	1-126-960-11	ELECT	1µF	20%	50V
C2001	1-104-665-11	ELECT	100µF	20%	25V
C2002	1-164-096-11	CERAMIC	0.01µF		50V

CONNECTOR

CN1232* 1-564-512-11 PLUG, CONNECTOR 9P CN2001* 1-564-508-11 PLUG, CONNECTOR 5P

DIODE

D2002 8-719-070-80 DIODE LNK0120022G

IC

IC2001 8-742-212-20 HYB IC SBX3081-71

JACK

J1231 1-691-110-11 JACK, PIN 3P

	REF.NO.	PART NO.	DESCRIPTION		REMARK	(
I		RESISTOR					
I		IXECIO I CIX					
I	R201	1-249-417-11	CARBON	1K	5%	1/4W	
I	R202	1-249-420-11	CARBON	1.8K	5%	1/4W	
I	R203	1-249-425-11	CARBON	4.7K	5%	1/4W	
I	R1235	1-249-425-11	CARBON	4.7K	5%	1/4W	
I	R1236	1-247-895-91	CARBON	470K	5%	1/4W	
I	R1237	1-249-425-11	CARBON	4.7K	5%	1/4W	
I							
I	R1238	1-247-895-91	CARBON	470K	5%	1/4W	
I	R2002	1-249-417-11	CARBON	1K	5%	1/4W	
I	R2003	1-249-401-11	CARBON	47	5%	1/4W	
I							
I							
I		SWITCH					
I		<u> </u>					
I	S2007	1-762-816-11	SWITCH, TACTILE				
١	S2008	1-762-816-11	SWITCH TACTILE				



* A-1372-636-A HX MOUNTED PC BOARD

CONNECTOR

CN2002* 1-564-518-11 PLUG, CONNECTOR 3P

RESISTOR

R2010	1-216-047-91	RES-CHIP	820	5%	1/10W
R2011	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2012	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2013	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2014	1-216-025-91	RES-CHIP	100	5%	1/10W

SWITCH

S2001	1-572-198-11	SWITCH, KEYBOARD
S2002	1-572-198-11	SWITCH, KEYBOARD
S2003	1-572-198-11	SWITCH, KEYBOARD
S2004	1-572-198-11	SWITCH, KEYBOARD
S2005	1-572-198-11	SWITCH, KEYBOARD
S2006	1-572-198-11	SWITCH, KEYBOARD

Note:

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REF.NO.	PART NO.	DESCRIPTION	RI	EMARK		REF.NO.	PART NO.	DESCRIPTION	R	EMARK	
	7					D409	8-719-992-13	DIODE DAL5815			
						D410	8-719-992-13	DIODE DAL5815			
						D411	8-719-992-13	DIODE DAL5815			
	_					דודם	0 7 10 002 10	DIODE DALGOTO			
*	1 4004 004 1	T 00MDLETE D0 D	0400								
•	A-1394-934-A	T COMPLETE PC B (KV-36FV26 ONLY)	UARD				<u>IC</u>				
		(RV 001 120 ORE1)				IC401	8-759-939-73	IC BA3308			
	CAPACITOR						COIL				
C401	1-163-243-11	CERAMIC CHIP	47PF	5%	50V		COIL				
C402	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V	L401	1-411-987-11	COIL (OSC)			
C403	1-126-963-11	ELECT	4.7µF	20%	50V	L402	1-411-988-11	COIL (OSC)			
C404	1-163-135-00	CERAMIC CHIP	560PF	5%	50V						
C405	1-104-664-11	ELECT	47µF	20%	25V						
0.400		0504440 0140	224 5	100/	501/		TRANSISTOR	<u>R</u>			
C406	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	Q401	8-729-266-83	TRANSISTOR 2SC2	668-VTP		
C407	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V	Q402	8-729-266-83	TRANSISTOR 2SC2			
C408	1-163-135-00	CERAMIC CHIP	560PF	5%	50V	Q402 Q403	8-729-423-33	TRANSISTOR 2SC3		٨	
C409	1-126-963-11	ELECT	4.7µF	20%	50V			TRANSISTOR 2SB7			
C410	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	Q404	8-729-216-22				
						Q405	8-729-216-22	TRANSISTOR 2SB7	U9A-QRS-17	(
C411	1-126-963-11	ELECT	4.7µF	20%	50V	0.400	0.700.004.44	TDANIOIOTOD OODA	050 O TV0		
C412	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V	Q406	8-729-931-14	TRANSISTOR 2SD1			
C413	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V	Q407	8-729-931-14				
C414	1-104-664-11	ELECT	47µF	20%	25V	Q408	8-729-931-14				
C415	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	Q409		TRANSISTOR 2SD1			
						Q410		TRANSISTOR 2SB7			
C416	1-104-664-11	ELECT	47µF	20%	25V	Q411	8-729-216-22	TRANSISTOR 2SB7	09A-QRS-1)	(
C417	1-126-963-11	ELECT	4.7µF	20%	50V						
C418	1-163-229-11	CERAMIC CHIP	12PF	5%	50V						
C419	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V		RESISTOR				
C420	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V			5=6 05			
			•			R401	1-216-089-91	RES-CHIP	47K	5%	1/10W
C421	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	R402	1-216-089-91	RES-CHIP	47K	5%	1/10W
C422	1-104-664-11	ELECT	47µF	20%	25V	R403	1-216-089-91	RES-CHIP	47K	5%	1/10W
C423	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	R404	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
C424	1-163-021-91		0.01µF	10%	50V	R405	1-216-025-91	RES-CHIP	100	5%	1/10W
C425	1-104-664-11	ELECT	47µF	20%	25V						
C426	1-163-021-91		0.01µF	10%	50V	R406	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
0.20		02.0.0.00	٠.٠٠.٣٠	.070		R407	1-216-133-00	RES-CHIP	3.3M	5%	1/10W
						R408	1-216-089-91	RES-CHIP	47K	5%	1/10W
	CONNECTOR	1				R409	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
	CONNECTOR					R410	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
CN401 *	1-564-519-11	PLUG, CONNECTO	R 4P			D444	4 040 005 04	DEC OUID	400	F 0/	4/40\\
						R411	1-216-025-91	RES-CHIP	100	5%	1/10W
						R412	1-208-803-11	METAL CHIP	7.5K	0.50%	1/10W
	DIODE					R413	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
						R414	1-216-073-00	RES-CHIP	10K	5%	1/10W
D401	8-719-109-89	DIODE MTZJ-T-77-5				R415	1-249-411-11	CARBON	330	5%	1/4W
D402	8-719-057-93	DIODE SVC203SPA									
D403	8-719-057-93	DIODE SVC203SPA	A-AL			R416	1-216-081-00	RES-CHIP	22K	5%	1/10W
D404	8-719-992-13	DIODE DAL5815				R417	1-216-081-00	RES-CHIP	22K	5%	1/10W
D405	8-719-992-13	DIODE DAL5815				R418	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
						R419	1-216-073-00	RES-CHIP	10K	5%	1/10W
D406	8-719-992-13	DIODE DAL5815				R420	1-216-111-00	RES-CHIP	390K	5%	1/10W
D407	8-719-992-13	DIODE DAL5815				R421	1-216-025-91	RES-CHIP	100	5%	1/10W
D408	8-719-992-13					R422	1-216-025-91	RES-CHIP	100	5%	1/10W



The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

REF.NO.	PART NO.	DESCRIPTION	ı	REMARK		REF.NO.	PART NO.	DESCRIPTION	R	EMARK	
R423	1-216-111-00	RES-CHIP	390K	5%	1/10W	C268	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
R424	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	C269	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
		RES-CHIP									
R425	1-216-061-00		3.3K	5%	1/10W	C272	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
R426	1-208-821-11	METAL CHIP	43K	0.50%	1/10W	C273	1-128-551-11	ELECT	22µF	20%	25V
R427	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	C277	1-128-551-11	ELECT	22µF	20%	25V
						C278	1-128-551-11	ELECT	22µF	20%	25V
R428	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	C281	1-126-933-11	ELECT	100µF	20%	16V
R429	1-216-057-00	RES-CHIP	2.2K	5%	1/10W						
R430	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W	C284	1-126-941-11	ELECT	470µF	20%	25V
R431	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W	C286	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
R432	1-208-821-11	METAL CHIP	43K	0.50%	1/10W	C287	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
	. 200 02			0.0070	.,	C1051	1-126-964-11	ELECT	10µF	20%	50V
R433	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	C1053	1-126-934-11	ELECT	220μF	20%	16V
R434	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	01000	1 120 304 11	LLLOI	ΖΖΟμι	2070	10 V
R435		RES-CHIP	10		1/10W	C1201	1 160 000 11	CEDAMIC CHID	0.047	100/	25V
	1-216-001-00			5%		C1201	1-163-809-11	CERAMIC CHIP	0.047µF	10%	
R436	1-216-001-00	RES-CHIP	10	5%	1/10W	C1202	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
R437	1-216-001-00	RES-CHIP	10	5%	1/10W	C1203	1-126-960-11	ELECT	1µF	20%	50V
						C1204	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
R438	1-216-001-00	RES-CHIP	10	5%	1/10W	C1205	1-126-933-11	ELECT	100µF	20%	16V
R439	1-216-059-00	RES-CHIP	2.7K	5%	1/10W						
R460	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	C1207	1-126-963-11	ELECT	4.7µF	20%	50V
						C1208	1-126-963-11	ELECT	4.7µF	20%	50V
						C1209	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
						C1210	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
	V—					C1211	1-126-933-11	ELECT	100µF	20%	16V
	^ ─					01211	1 120 000 11		ισομι	2070	101
						C1212	1-126-933-11	ELECT	100µF	20%	16V
						C1214	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
*	A-1395-003-A	UX COMPLETE PC	BOARD			C1215	1-126-960-11	ELECT	1µF	20%	50V
		(KV-36FV16 ONLY)	- • · · · · ·			C1997	1-163-031-11	CERAMIC CHIP	0.01µF	2070	50V
*	A-1395-004-A	UX COMPLETE PC	BOARD			C1998	1-104-664-11	ELECT	47μF	20%	16V
	A 1000 00T A	(KV-36FV26 ONLY)	DOMIND			01990	1-104-004-11	LLLOI	41μι	2070	10 V
		(••. ••)				C1999	1-163-031-11	CERAMIC CHIP	0.01µF		50V
						C2000	1-163-031-11	CERAMIC CHIP	0.01µF		50V
	CADACITOD					C2000		CERAMIC CHIP	22PF	5%	50V
	<u>CAPACITOR</u>					G2001	1-163-235-11		2277	370	30 V
C201	1-128-551-11	ELECT	22µF	20%	25V	00000	4 400 000 44	(KV-36FV26 ONLY)	400 =	000/	401/
C202	1-128-551-11	ELECT	22μF	20%	25V	C2002	1-126-933-11	ELECT	100µF	20%	16V
C202	1-128-551-11		•		25V 25V	C2003	1-163-031-11	CERAMIC CHIP	0.01µF		50V
			22µF	20%							
C204	1-126-960-11		1μF	20%	50V	C2004	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C205	1-126-960-11	ELECT	1μF	20%	50V			(KV-36FV26 ONLY)			
						C2005	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C231	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	C2006	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C232	1-126-933-11	ELECT	100µF	20%	16V	C2007	1-126-926-11	ELECT	1000µF	20%	10V
C233	1-126-933-11	ELECT	100µF	20%	16V			(KV-36FV26 ONLY)	· r.'		
C234	1-126-960-11	ELECT	1µF	20%	50V	C2008	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C235	1-126-960-11	ELECT	1µF	20%	50V	02000	1 100 000 51	(KV-36FV26 ONLY)	0.1μι		201
			•					(1XV-001 VZ0 OINLT)			
C236	1-126-933-11	ELECT	100µF	20%	16V	C2009	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
C237	1-126-960-11	ELECT	1µF	20%	50V	C2003	1-126-967-11	ELECT	47µF	20%	50V
C238	1-126-960-11	ELECT	1µF	20%	50V	C2011		CERAMIC CHIP		ZU/0	25V
C241	1-126-941-11	ELECT	470µF	20%	25V	02013	1-163-038-91		0.1µF		201
C242	1-126-959-11	ELECT	470μi 0.47μF	20%	50V	00044	4 400 000 44	(KV-36FV26 ONLY)	0.004 5	4007	F0) /
04 7 4	1-140-303-11	LLLUI	υ. τ / μι	2 0 /0	JU V	C2014	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C243	1-126-959-11	ELECT	0.47µF	20%	50V	C201E	1_216 205 04	(KV-36FV26 ONLY)			
C244	1-126-959-11	ELECT	0.47μF	20%	50V	C2015	1-216-295-91	SHORT	0.4		E0\/
C245	1-126-959-11	ELECT	0.47μF	20%	50V	C2016	1-165-319-11	CERAMIC CHIP	0.1µF	F 0/	50V
C243	1-164-004-11	CERAMIC CHIP	0.47μ1 0.1μF	10%	25V	C2017	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
0204	1-10 4- 004-11	OLIVAINIO OLIIF	ν. τμπ	10/0	201	C2018	1-165-319-11	CERAMIC CHIP	0.1µF		50V

Note:

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REF.NO.	PART NO.	DESCRIPTION	R	EMARK		REF.NO.	PART NO.	DESCRIPTION	RI	EMARK	
C2019	1-126-960-11	ELECT	1µF	20%	50V	C2069	1-163-031-11	CERAMIC CHIP	0.01µF	000/	50V
00000		(KV-36FV26 ONLY)	0.4 -		50 1/	C2070	1-104-664-11	ELECT	47µF	20%	16V
C2020	1-165-319-11	CERAMIC CHIP	0.1µF		50V	C2071	1-165-319-11	CERAMIC CHIP	0.1µF	000/	50V
C2021	1-163-038-91	CERAMIC CHIP	0.1µF		25V	C2072	1-126-933-11	ELECT	100μF	20%	16V
C2022	1-163-031-11	CERAMIC CHIP	0.01µF		50V			(KV-36FV26 ONLY)			
C2023	1-126-967-11	ELECT	47µF	20%	50V	C2073	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V
C2024	1-216-295-91	SHORT				C2074	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V
C2025	1-163-031-11	CERAMIC CHIP	0.01µF		50V			(KV-36FV26 ONLY)			
C2026	1-126-967-11	ELECT	47µF	20%	50V	C2090	1-126-964-11	ELECT	10µF	20%	50V
C2027	1-163-031-11	CERAMIC CHIP	0.01µF		50V	C2095	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2028	1-126-941-11	ELECT	470µF	20%	25V	C2096	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
						C2097	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2029	1-165-319-11	CERAMIC CHIP	0.1µF		50V						
C2030	1-165-319-11	CERAMIC CHIP	0.1µF		50V	C2129	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2031	1-165-319-11	CERAMIC CHIP	0.1µF		50V	C2137	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2032	1-165-319-11	CERAMIC CHIP	0.1µF		50V	C2201	1-126-965-11	ELECT	22µF	20%	50V
C2033	1-165-319-11	CERAMIC CHIP	0.1µF		50V	C2202	1-126-933-11	ELECT	100µF	20%	16V
02000	1 100 010 11	0210 11110 01111	0.141		001	C2203	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C2034	1-165-319-11	CERAMIC CHIP	0.1µF		50V	02200	1 100 021 01	OLIVIUMO OTIM	0.0 τμι	1070	001
C2035	1-165-319-11	CERAMIC CHIP	0.1μF		50V	C3301	1-104-664-11	ELECT	47µF	20%	25V
C2036	1-165-319-11	CERAMIC CHIP	0.1μF		50V	C3302	1-163-031-11	CERAMIC CHIP	0.01μF	2070	50V
C2030	1-103-319-11	ELECT	0.1μ1 47μF	20%	16V	C3302	1-126-961-11	ELECT	2.2µF	20%	50V
		-	•	20%				-		20%	
C2038	1-165-319-11	CERAMIC CHIP	0.1µF		50V	C3304	1-163-038-91	CERAMIC CHIP	0.1µF	200/	25V
00000	4 405 040 44	CEDAMIC CLUD	0.4		F0\/	C3305	1-126-961-11	ELECT	2.2µF	20%	50V
C2039	1-165-319-11	CERAMIC CHIP	0.1µF		50V	00000	4 400 000 04	CEDAMIC CUID	0.4		25/
C2040	1-165-319-11	CERAMIC CHIP	0.1µF	000/	50V	C3306	1-163-038-91	CERAMIC CHIP	0.1µF	000/	25V
C2041	1-126-940-11	ELECT	330µF	20%	25V	C3307	1-126-964-11	ELECT	10µF	20%	50V
C2042	1-165-319-11	CERAMIC CHIP	0.1µF	000/	50V	C3308	1-163-038-91	CERAMIC CHIP	0.1µF	000/	25V
C2044	1-104-664-11	ELECT	47µF	20%	16V	C3309	1-126-964-11	ELECT	10µF	20%	50V
						C3311	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2045	1-163-233-11	CERAMIC CHIP	18PF	5%	50V						
C2046	1-126-964-11	ELECT	10µF	20%	50V	C3312	1-126-964-11	ELECT	10µF	20%	50V
C2047	1-164-505-11	CERAMIC CHIP	2.2µF		16V	C3313	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2048	1-126-964-11	ELECT	10μF	20%	50V	C3314	1-216-295-91	SHORT			
C2049	1-126-960-11	ELECT	1μF	20%	50V	C3315	1-216-295-91	SHORT			
						C3316	1-216-295-91	SHORT			
C2050	1-163-231-11	CERAMIC CHIP	15PF	5%	50V						
C2051	1-126-964-11	ELECT	10µF	20%	50V	C3317	1-104-666-11	ELECT	220µF	20%	25V
		(KV-36FV26 ONLY)				C3318	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2052	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C3319	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2053	1-126-960-11	ELECT	1µF	20%	50V	C3320	1-104-664-11	ELECT	47µF	20%	16V
C2054	1-104-664-11	ELECT	47µF	20%	16V	C3321	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C2055	1-165-319-11	CERAMIC CHIP	0.1µF		50V	C3322	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C2056	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	C3323	1-163-038-91	CERAMIC CHIP	0.1µF	070	25V
C2057	1-163-031-11	CERAMIC CHIP	0.01µF	3/0	50V	C3325	1-104-664-11	ELECT	47μF	20%	16V
C2060	1-163-031-11	CERAMIC CHIP	0.01µF		50V 50V	C3327	1-126-941-11	ELECT	470μF	20%	25V
			•	200/					•		
C2061	1-126-941-11	ELECT	470µF	20%	25V	C3328	1-126-941-11	ELECT	470µF	20%	25V
C2062	1-104-664-11	ELECT	47µF	20%	16V	C3329	1-104-664-11	ELECT	47µF	20%	16V
C2063	1-165-319-11	CERAMIC CHIP	0.1µF		50V	C3349	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C2064	1-163-031-11	CERAMIC CHIP	0.01µF		50V	C3350	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C2065	1-163-031-11	CERAMIC CHIP	0.01µF		50V	C3354	1-163-031-11	CERAMIC CHIP	0.01µF	/ •	50V
C2066	1-104-664-11	ELECT	47μF	20%	16V	C3357	1-163-031-11	CERAMIC CHIP	0.01µF		50V
0_000				_0,0		23001		22.0 01	υ.υ.μ.		
C2067	1-104-664-11	ELECT	47µF	20%	16V	C3358	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2068	1-104-664-11	ELECT	47µF	20%	16V	C3368	1-216-295-91	SHORT	•		
			•								



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Note:

REF.NO.	PART NO.	DESCRIPTION	REMARK		REF.NO.	PART NO.	DESCRIPTION		REMARK
C3369	1-163-031-11		0.01µF	50V	FB3302		INDUCTOR CHIP	0µH	
C3370		CERAMIC CHIP	0.01µF	50V	FB3303	1-414-230-22		0μH	
C3371		CERAMIC CHIP	0.01µF	50V	FB3304	1-414-230-22		0μH	
00071	1 100 001 11	OLIV WIIO OI III	0.0 τμι	301	FB3305		INDUCTOR CHIP	0μΗ	
								•	
	CONNECTOR					EU TED			
CN261 *	1-564-510-11	PLUG, CONNECTOR	.7P			<u>FILTER</u>			
CN265 *	1-764-333-11	PLUG, CONNECTOR	10P		FL2001	1-239-848-21	FILTER, LOW PASS		
					FL2002	1-239-848-21	FILTER, LOW PASS		
					FL2003		FILTER, LOW PASS		
	DIODE				FL2004	1-239-848-21	FILTER, LOW PASS		
D201	8-719-032-47	DIODE MTZJ-T-9110							
D202	8-719-032-47	DIODE MTZJ-T-9110				<u>IC</u>			
D203		DIODE MTZJ-T-9110							
D204		DIODE MTZJ-T-9110			IC261		IC CXA1845Q		
D205	8-719-032-47	DIODE MTZJ-T-9110			IC1051		IC CXA1315M-T4		
					IC2003		IC UPD424210LE-60		
D231		DIODE MTZJ-T-9110			IC2004		IC UPD64082GF-3BA	ļ	
D232		DIODE MTZJ-T-9110			IC2005	8-759-583-47	IC UPC2933T-E1		
D233		DIODE MTZJ-T-9110			100000	0.750.050.00	IO NUMZOMOCELIA/TE	-4\	
D234		DIODE MTZJ-T-9110			IC2006	8-759-358-38	IC NJM78M05DLA(TE	=1)	
D235	8-719-032-47	DIODE MTZJ-T-9110			IC2009	8-752-395-13	IC CXD2085M-T4 (KV-36FV26 ONLY)		
D236	8-710-032-47	DIODE MTZJ-T-9110			IC3302	8_750_358_38	IC NJM78M05DLA(TE	=1\	
D230		DIODE MTZJ-T-9110			IC3303		IC SDA9588X	-1)	
D237		DIODE MTZJ-T-9110			IC3308		IC BU4053BCF-T2		
D239		DIODE MTZJ-T-9110			IC3310		IC UPC2933T-E1		
D245		DIODE RD3.3SB-T1			100010	0 100 000 11	10 01 020001 21		
D246		DIODE RD3.3SB-T1				<u>JACK</u>			
D248		DIODE RD3.3SB-T1			J231	1_750_515_11	TERMINAL BLOCK, S	2 2D	
D261 D902		DIODE MTZJ-T-9110 DIODE MTZJ-T-9110			J232		JACK BLOCK, PIN 3		
D902 D910		DIODE MTZJ-T-9110			J233		JACK BLOCK, PIN 2		
טופט	0-119-032-41	DIODE WIZD-1-9110			J234		JACK BLOCK, PIN 3		
D911	8-719-032-47	DIODE MTZJ-T-9110			J236	1-774-358-11	,		
D912		DIODE MTZJ-T-9110							
D1051	8-719-073-01	DIODE MA111-TX			J902	1-764-143-11	JACK		
D1052	8-719-073-01	DIODE MA111-TX			J903	1-764-143-11	JACK		
D1053	1-216-295-91	SHORT			J904	1-764-143-11	JACK		
					J905	1-764-143-11	JACK		
D1054	1-216-295-91	SHORT							
D2201		DIODE MTZJ-T-9110							
D2202		DIODE MTZJ-T-9110				CHIP CONDU	<u>CTOR</u>		
D2203	8-719-032-47	DIODE MTZJ-T-9110			ID1001	1 216 205 04	SHORT		
					JR1001 JR1002	1-216-295-91 1-216-295-91	SHORT		
					JR1002 JR1003	1-216-295-91	SHORT		
	FERRITE BE	<u>AD</u>			JR1003 JR1004	1-216-295-91	SHORT		
EDOUG	1 /11/ 000 00		السال		JR1004 JR1021	1-216-295-91	SHORT		
FB2003		INDUCTOR CHIP	0μH ou⊢		0111021	1 2 10 230-31	SHORT		
FB2004		INDUCTOR CHIP INDUCTOR CHIP	0µH ou⊢		JR1022	1-216-295-91	SHORT		
FB2006 FB2007	1-414-230-22	INDUCTOR CHIP	0μH 0μH		JR1022	1-216-295-91	SHORT		
FB2008	1-414-230-22	INDUCTOR CHIP	•		JR2009	1-216-295-91	SHORT		
1 02000	1-414-230-22	INDOUTOR CHIE	0μH		JR2010	1-216-295-91	SHORT		
FB2009	1-414-233-22	INDUCTOR CHIP	0µH		JR2011	1-216-295-91	SHORT		
FB3301	1-216-295-91	SHORT	~p., .		JR2012	1-216-295-91	SHORT		
-B3301	1-216-295-91	2HUK I		ı	JINZUIZ	1-210-230-31	OI IOINI		

Note:

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Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



PART NO. **DESCRIPTION** REF.NO. REMARK REF.NO. PART NO. DESCRIPTION REMARK TRANSISTOR 2SB709A-QRS-TX JR2013 1-216-295-91 SHORT Q263 8-729-216-22 JR2014 1-216-295-91 SHORT Q264 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX JR3014 1-216-295-91 8-729-422-27 SHORT Q265 TRANSISTOR 2SD601A-QRS-TX Q268 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q1051 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX COIL 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q1201 L261 1-414-857-11 **INDUCTOR** 100µH Q1202 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX L1201 1-408-591-11 **INDUCTOR** 1μΗ Q1203 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX 1-408-591-11 **INDUCTOR** 1µH L1202 Q1204 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX L1203 1-408-591-11 **INDUCTOR** 1µH Q1205 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX L2001 1-412-056-11 INDUCTOR CHIP 4.7µH 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q1206 L2002 INDUCTOR CHIP 1-412-058-11 10µH Q1207 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX L2004 1-412-058-11 INDUCTOR CHIP 10µH TRANSISTOR 2SB709A-QRS-TX Q1208 8-729-216-22 L2005 1-410-494-11 **INDUCTOR** 1mH Q2001 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX L2006 1-412-058-11 INDUCTOR CHIP 10µH (KV-36FV26 ONLY) L2011 1-410-116-11 **INDUCTOR** 560µH Q2003 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX (KV-36FV26 ONLY) 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q2004 L2012 1-410-116-11 **INDUCTOR** 560µH TRANSISTOR 2SD601A-QRS-TX Q2005 8-729-422-27 L3301 1-414-856-11 **INDUCTOR** 10µH Q2006 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX L3302 1-410-473-11 **INDUCTOR** 18µH Q2007 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX L3303 1-410-476-11 **INDUCTOR** 33µH Q2008 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX L3304 1-414-856-11 **INDUCTOR** 10µH Q2009 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX L3305 **INDUCTOR** 10µH 1-414-856-11 Q2010 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX L3306 1-414-856-11 **INDUCTOR** 10µH Q2011 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX L3307 1-414-856-11 **INDUCTOR** 10µH Q2012 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX L3308 1-414-856-11 INDUCTOR 10µH Q2013 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q2014 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX TRANSISTOR 2SD601A-QRS-TX **TRANSISTOR** Q2015 8-729-422-27 Q2016 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q201 TRANSISTOR 2SD601A-QRS-TX 8-729-422-27 Q2017 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q202 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX (KV-36FV26 ONLY) Q203 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q2018 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q204 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q205 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q2019 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q2119 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q206 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q3301 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q207 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q3306 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q208 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q3307 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q209 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q210 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q3312 TRANSISTOR 2SB709A-QRS-TX 8-729-216-22 Q3315 TRANSISTOR 2SB709A-QRS-TX 8-729-216-22 Q211 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q3316 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX Q231 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q3317 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q233 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q234 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q235 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX RESISTOR Q236 TRANSISTOR 2SD601A-QRS-TX 8-729-422-27 1/10W R201 1-216-022-00 **RES-CHIP** 75 5% Q237 TRANSISTOR 2SB709A-QRS-TX 8-729-216-22 R202 1-216-022-00 RES-CHIP 75 5% 1/10W Q238 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX R203 1-216-022-00 **RES-CHIP** 75 5% 1/10W Q239 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX 5% R204 **RES-CHIP** 470K 1/10W 1-216-113-00 Q246 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX R205 470K 5% 1/10W 1-216-113-00 RES-CHIP Q262 8-729-216-22 TRANSISTOR 2SB709A-QRS-TX R206 1-216-295-91 SHORT



Note

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Note:

REF.NO.	PART NO.	DESCRIPTION	F	REMARK		REF.NO.	PART NO.	DESCRIPTION		REMARK	
R207	1-216-295-91	SHORT				R261	1-216-025-91	RES-CHIP	100	5%	1/10W
R208	1-216-295-91	SHORT				R262	1-216-023-31	RES-CHIP	5.6K	5%	1/10W
			471/	5 0/	4/40/4/						
R209	1-216-089-91	RES-CHIP	47K	5%	1/10W	R263	1-216-025-91	RES-CHIP	100	5%	1/10W
R210	1-216-081-00	RES-CHIP	22K	5%	1/10W	R264	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R211	1-216-089-91	RES-CHIP	47K	5%	1/10W	R265	1-216-025-91	RES-CHIP	100	5%	1/10W
R212	1-216-081-00	RES-CHIP	22K	5%	1/10W	R266	1-216-025-91	RES-CHIP	100	5%	1/10W
R213	1-216-089-91	RES-CHIP	47K	5%	1/10W	R267	1-216-025-91	RES-CHIP	100	5%	1/10W
R214	1-216-081-00	RES-CHIP	22K	5%	1/10W	R268	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R215	1-216-049-91	RES-CHIP	1K	5%	1/10W	R269	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R216	1-216-025-91	RES-CHIP	100	5%	1/10W	R270	1-216-049-91	RES-CHIP	1K	5%	1/10W
NZ IO	1-210-025-91	KES-OHIF	100	3/0	1/1000	N270	1-210-049-91	NES-CHIF	IIV	3/0	1/1000
R218	1-208-774-11	METAL CHIP	470	0.50%	1/10W	R271	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R219	1-216-049-91	RES-CHIP	1K	5%	1/10W	R272	1-216-025-91	RES-CHIP	100	5%	1/10W
R220	1-216-025-91	RES-CHIP	100	5%	1/10W	R273	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R221	1-208-774-11	METAL CHIP	470	0.50%	1/10W	R274	1-216-049-91	RES-CHIP	1K	5%	1/10W
R222	1-216-049-91	RES-CHIP	1K	5%	1/10W	R275	1-216-025-91	RES-CHIP	100	5%	1/10W
R223	1-216-025-91	RES-CHIP	100	5%	1/10W	R276	1-216-295-91	SHORT			
					I				5 OI/	5 0/	4/4014/
R224	1-216-025-91	RES-CHIP	100	5%	1/10W	R278	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R225	1-216-025-91	RES-CHIP	100	5%	1/10W	R279	1-216-025-91	RES-CHIP	100	5%	1/10W
R226	1-216-025-91	RES-CHIP	100	5%	1/10W	R280	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R227	1-216-041-00	RES-CHIP	470	5%	1/10W	R281	1-216-025-91	RES-CHIP	100	5%	1/10W
R228	1-216-049-91	RES-CHIP	1K	5%	1/10W	R282	1-216-025-91	RES-CHIP	100	5%	1/10W
R229	1-216-049-91	RES-CHIP	1K	5%	1/10W	R283	1-216-049-91	RES-CHIP	1K	5%	1/10W
R230	1-216-089-91	RES-CHIP	47K	5%	1/10W	R284	1-216-033-00	RES-CHIP	220	5%	1/10W
R231	1-216-022-00	RES-CHIP	75 	5%	1/10W	R285	1-216-033-00	RES-CHIP	220	5%	1/10W
R232	1-216-022-00	RES-CHIP	75	5%	1/10W	R286	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R233	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R287	1-216-025-91	RES-CHIP	100	5%	1/10W
R234	1-216-022-00	RES-CHIP	75	5%	1/10W	R288	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R235	1-216-113-00	RES-CHIP	470K	5%	1/10W	R289	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R236	1-216-113-00	RES-CHIP	470K	5%	1/10W	R290	1-216-025-91	RES-CHIP	100	5%	1/10W
R237	1-216-022-00	RES-CHIP	75	5%	1/10W	R291	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
Booo		DE0 0111D	47017	5 0/	4/40144			550 01115			
R238	1-216-113-00	RES-CHIP	470K	5%	1/10W	R293	1-216-025-91	RES-CHIP	100	5%	1/10W
R239	1-216-113-00	RES-CHIP	470K	5%	1/10W	R294	1-216-077-91	RES-CHIP	15K	5%	1/10W
R241	1-216-113-00	RES-CHIP	470K	5%	1/10W	R295	1-216-025-91	RES-CHIP	100	5%	1/10W
R242	1-216-049-91	RES-CHIP	1K	5%	1/10W	R296	1-216-025-91	RES-CHIP	100	5%	1/10W
R243	1-216-113-00	RES-CHIP	470K	5%	1/10W	R297	1-216-025-91	RES-CHIP	100	5%	1/10W
R244	1-216-049-91	RES-CHIP	1K	5%	1/10W	R300	1-216-025-91	RES-CHIP	100	5%	1/10W
R245	1-216-022-00	RES-CHIP	75	5%	1/10W	R301	1-216-049-91	RES-CHIP	1K	5%	1/10W
R246	1-216-113-00	RES-CHIP	470K	5%	1/10W	R302	1-216-295-91	SHORT	111	370	1/ 10 4 4
			470K 470K		1/10W		1-249-405-11		400	m /	4/4/1/
R247	1-216-113-00	RES-CHIP		5%		R902		CARBON	100	5%	1/4W
R248	1-216-113-00	RES-CHIP	470K	5%	1/10W	R921	1-249-405-11	CARBON	100	5%	1/4W
R249	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R923	1-249-405-11	CARBON	100	5%	1/4W
R250	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R925	1-249-405-11	CARBON	100	5%	1/4W
R251	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R926	1-216-049-91	RES-CHIP	1K	5%	1/10W
R252	1-216-049-91	RES-CHIP	1K	5%	1/10W	R1051	1-216-073-00	RES-CHIP	10K	5%	1/10W
R254	1-216-049-91	RES-CHIP	1K	5%	1/10W	R1052	1-216-073-00	RES-CHIP	10K	5%	1/10W
Dorz.	4 040 040 04	DEC OUR	417	m.	4/40/4/	D46=4		DEO OLUB	400	F 0.4	4/40**
R257	1-216-049-91	RES-CHIP	1K	5%	1/10W	R1054	1-216-025-91	RES-CHIP	100	5%	1/10W
R258	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1057	1-216-025-91	RES-CHIP	100	5%	1/10W
R259	1-216-049-91	RES-CHIP	1K	5%	1/10W	R1058	1-216-025-91	RES-CHIP	100	5%	1/10W
R260	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1059	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
					'						

Note:

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION	RI	EMARK		REF.NO.	PART NO.	DESCRIPTION	F	REMARK	
R1062	1-216-033-00	RES-CHIP	220	5%	1/10W	R1273	1-208-788-11	METAL CHIP	1.8K	0.50%	1/10W
R1063	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1276	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1064	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1277	1-216-025-91	RES-CHIP	100	5%	1/10W
R1065	1-216-025-91	RES-CHIP	100	5%	1/10W	R1279	1-216-025-91	RES-CHIP	100	5%	1/10W
									100	J/0	1/1000
R1201	1-216-025-91	RES-CHIP	100	5%	1/10W	R1281	1-216-295-91	SHORT			
R1202	1-216-025-91	RES-CHIP	100	5%	1/10W	R1285	1-216-041-00	RES-CHIP	470	5%	1/10W
R1204	1-216-295-91	SHORT				R1287	1-216-295-91	SHORT			
R1206	1-216-295-91	SHORT				R1288	1-216-295-91	SHORT			
R1208	1-216-049-91	RES-CHIP	1K	5%	1/10W	R1289	1-216-295-91	SHORT			
R1209	1-216-295-91	SHORT				R1290	1-216-295-91	SHORT			
111200	1 210 200 01	GHOIN				111200	1 210 200 01	SHORT			
R1210	1-216-295-91	SHORT				R1291	1-216-295-91	SHORT			
R1212	1-216-295-91	SHORT				R1292	1-216-295-91	SHORT			
R1213	1-216-295-91	SHORT				R1293	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1215	1-208-774-11	METAL CHIP	470	0.50%	1/10W	R1294	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1216	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1295	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1217	1-216-091-00	RES-CHIP	56K	5%	1/10W	R1300	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1219	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1304	1-216-041-00	RES-CHIP	470	5%	1/10W
R1220	1-216-013-00	RES-CHIP	33	5%	1/10W	R1305	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R1221	1-216-121-91	RES-CHIP	1M	5%	1/10W	R1306	1-216-025-91	RES-CHIP	100	5%	1/10W
R1222	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1307	1-216-041-00	RES-CHIP	470	5%	1/10W
R1223	1-216-097-91	RES-CHIP	100K	5%	1/10W	R1308	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R1224	1-216-089-91	RES-CHIP	47K	5%	1/10W	R1309	1-216-025-91	RES-CHIP	100	5%	1/10W
R1225	1-216-097-91	RES-CHIP	100K	5%	1/10W	R2001	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1227	1-216-073-00	RES-CHIP	10K	5%	1/10W			(KV-36FV26 ONLY)			
R1228	1-208-774-11	METAL CHIP	470	0.50%	1/10W	R2002	1-216-073-00	RES-CHIP	10K	5%	1/10W
D4000	1 046 404 04	DEC CHID	41.4	E 0/	1/10\\\	D0000	4 040 005 00	(KV-36FV26 ONLY)	221/	F 0/	4/40\\
R1229	1-216-121-91	RES-CHIP	1M	5%	1/10W	R2003	1-216-085-00	RES-CHIP	33K	5%	1/10W
R1230	1-216-073-00	RES-CHIP	10K	5%	1/10W			(KV-36FV26 ONLY)			
R1233	1-216-097-91	RES-CHIP	100K	5%	1/10W						
R1234	1-216-091-00	RES-CHIP	56K	5%	1/10W	R2004	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1235	1-216-013-00	RES-CHIP	33	5%	1/10W			(KV-36FV26 ONLY)			
						R2005	1-216-295-91	SHORT			
R1236	1-216-097-91	RES-CHIP	100K	5%	1/10W			(KV-36FV26 ONLY)			
R1237	1-216-089-91	RES-CHIP	47K	5%	1/10W	R2006	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1238	1-216-057-00	RES-CHIP	2.2K	5%	1/10W			(KV-36FV26 ONLY)			
R1240	1-216-295-91	SHORT				R2007	1-216-041-00	RES-CHIP	470	5%	1/10W
R1242	1-216-065-91	RES-CHIP	4.7K	5%	1/10W			(KV-36FV26 ONLY)			
						R2008	1-216-025-91	RES-CHIP	100	5%	1/10W
R1243	1-216-065-91	RES-CHIP	4.7K	5%	1/10W			(KV-36FV26 ONLY)			
R1244	1-216-049-91	RES-CHIP	1K	5%	1/10W			(
R1245	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2009	1-216-025-91	RES-CHIP	100	5%	1/10W
R1261	1-216-025-91	RES-CHIP	100	5%	1/10W	112000	. 210 020 01	(KV-36FV26 ONLY)	100	070	1,1011
R1263	1-216-295-91	SHORT	100	0/0	171011	R2010	1-216-001-00	RES-CHIP	10	5%	1/10W
111200	1 210 200 01	GHOICI				112010	1 210 001 00	(KV-36FV26 ONLY)	10	0/0	1/1000
R1264	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2011	1-216-041-00	RES-CHIP	470	5%	1/10W
R1265	1-216-001-00	RES-CHIP	10	5%	1/10W	R2015	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1266	1-216-041-00	RES-CHIP	470	5%	1/10W	R2016	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1267	1-216-025-91	RES-CHIP	100	5%	1/10W	112010	1 210 001 00	TEO OTHI	ZZIX	0/0	1/1011
R1268	1-216-049-91	RES-CHIP	160 1K	5%	1/10W	R2017	1-216-295-91	SHORT			
111200	1-710-049-91	IVEO-OLIII	ш	J/0	1/1044	R2017	1-216-295-91	SHORT			
R1269	1-216-041-00	RES-CHIP	470	5%	1/10W	R2019	1-216-295-91	SHORT			
									11/	EU/	1/10\\\
R1270	1-216-049-91	RES-CHIP	1K	5% 59/	1/10W	R2022	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1271	1-216-001-00	RES-CHIP	10	5%	1/10W			(KV-36FV26 ONLY)			
R1272	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W						



The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

REF.NO.	PART NO.	DESCRIPTION		REMARK		REF.NO.	PART NO.	DESCRIPTION		REMARK	
R2023	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2073	1-216-049-91	RES-CHIP	1K	5%	1/10W
112020	1 210 010 01	(KV-36FV26 ONLY)		0/0	,,,,,,,,	R2074	1-216-025-91	RES-CHIP	100	5%	1/10W
R2024	1-216-097-91	RES-CHIP	100K	5%	1/10W	R2076	1-216-049-91	RES-CHIP	1K	5%	1/10W
					1/10W						
R2027	1-216-049-91	RES-CHIP	1K	5%		R2077	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2028	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2078	1-216-041-00	RES-CHIP	470	5%	1/10W
R2029	1-216-043-91	RES-CHIP	560	5%	1/10W						
						R2079	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2030	1-216-043-91	RES-CHIP	560	5%	1/10W	R2092	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2031	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R2093	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2032	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R2103	1-216-017-91	RES-CHIP	47	5%	1/10W
R2033	1-216-057-00	RES-CHIP	2.2K	5%	1/10W			(KV-36FV26 ONLY)			
R2034	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2104	1-216-295-91	SHORT			
112001	1 210 007 00	NEO OTIII	LILIN	0/0	1/1011	112101	1 210 200 01	OHORT			
R2035	1-208-776-11	METAL CHIP	560	0.50%	1/10W	R2105	1-216-295-91	SHORT			
R2036	1-208-775-11	METAL CHIP	510	0.50%	1/10W	R2106	1-216-295-91	SHORT			
R2037	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R2107	1-216-295-91	SHORT			
R2038	1-216-033-00	RES-CHIP	220	5%	1/10W	R2113	1-216-017-91	RES-CHIP	47	5%	1/10W
R2039	1-216-047-91	RES-CHIP	820	5%	1/10W	R2115	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2040	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2153	1-216-295-91	SHORT			
R2041	1-216-047-91	RES-CHIP	820	5%	1/10W	R2201	1-216-022-00	RES-CHIP	75	5%	1/10W
R2042	1-216-075-00	RES-CHIP	12K	5%	1/10W	R2202	1-216-022-00	RES-CHIP	75	5%	1/10W
R2043	1-216-085-00	RES-CHIP	33K	5%	1/10W	R2203	1-216-022-00	RES-CHIP	75	5%	1/10W
									13	3/0	1/1000
R2044	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2204	1-216-295-91	SHORT			
D0040	4 040 075 00	DEO OUID	4017	5 0/	4/4014/	Dooro	4 040 005 04	OLIODT			
R2046	1-216-075-00	RES-CHIP	12K	5%	1/10W	R3303	1-216-295-91	SHORT			
R2047	1-216-085-00	RES-CHIP	33K	5%	1/10W	R3304	1-216-295-91	SHORT			
R2048	1-216-049-91	RES-CHIP	1K	5%	1/10W	R3305	1-216-043-91	RES-CHIP	560	5%	1/10W
R2049	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R3308	1-216-033-00	RES-CHIP	220	5%	1/10W
R2050	1-216-017-91	RES-CHIP	47	5%	1/10W	R3310	1-216-033-00	RES-CHIP	220	5%	1/10W
R2051	1-216-049-91	RES-CHIP	1K	5%	1/10W	R3312	1-216-037-00	RES-CHIP	330	5%	1/10W
R2052	1-216-049-91	RES-CHIP	1K	5%	1/10W	R3313	1-216-041-00	RES-CHIP	100	5%	1/10W
R2053	1-216-041-00	RES-CHIP	470	5%	1/10W	R3314	1-216-041-00	RES-CHIP	100	5%	1/10W
		RES-CHIP						SHORT	100	3/0	1/1044
R2054	1-216-041-00		470	5%	1/10W	R3316	1-216-295-91				
R2055	1-216-017-91	RES-CHIP	47	5%	1/10W	R3319	1-216-295-91	SHORT			
R2056	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R3320	1-216-295-91	SHORT			
R2057	1-216-049-91	RES-CHIP	1K	5%	1/10W	R3322	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2058	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R3323	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2059	1-216-049-91	RES-CHIP	1K	5%	1/10W	R3324	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2060	1-216-025-91	RES-CHIP	100	5%	1/10W	R3327	1-216-295-91	SHORT			
R2061	1-216-043-91	RES-CHIP	560	5%	1/10W	R3343	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2062	1-216-105-91	RES-CHIP	220K	5%	1/10W	R3344	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2063	1-216-089-91	RES-CHIP	47K		1/10W			SHORT	Ш	3/0	1/1044
				5%		R3345	1-216-295-91		417	F 0./	4/4014/
R2064	1-216-049-91	RES-CHIP	1K	5%	1/10W	R3346	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2065	1-216-049-91	RES-CHIP	1K	5%	1/10W	R3347	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
		(KV-36FV26 ONLY)									
						R3348	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2066	1-216-033-00	RES-CHIP	220	5%	1/10W	R3350	1-216-295-91	SHORT			
R2067	1-216-048-00	RES-CHIP	910	5%	1/10W	R3355	1-216-295-91	SHORT			
R2068	1-216-295-91	SHORT				R3357	1-216-295-91	SHORT			
R2069	1-208-776-11	METAL CHIP	560	0.50%	1/10W	R3358	1-216-033-00	RES-CHIP	220	5%	1/10W
R2009 R2070	1-216-646-11	METAL CHIP	620	0.50%	1/10W	110000	1 210-000-00	ALO OTHI	220	J/0	1/ 1044
112070	1-210 - 040-11	WIL I AL OI III	020	0.30%	1/ 1000	Daara	1 246 047 04	DEC CUID	000	E0/	1/10\\\
D0074	4 040 007 00	DEC CLUD	E 01/	F 0/	4/40141	R3359	1-216-047-91	RES-CHIP	820	5%	1/10W
R2071	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R3360	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R2072	1-216-043-91	RES-CHIP	560	5%	1/10W	R3361	1-216-045-00	RES-CHIP	680	5%	1/10W

Note:

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REF.NO.	PART NO.	DESCRIPTION	R	EMARK		REF.NO.	PART NO.	DESCRIPTION	RE	MARK	
R3370	1-216-295-91	SHORT				C282	1-126-941-11	ELECT	470µF	20%	25V
R3374	1-216-295-91	SHORT				C284	1-126-941-11	ELECT	470µF	20%	25V
R3375	1-216-295-91	SHORT				C286	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
R3376	1-216-295-91	SHORT				C287	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
R3377	1-216-295-91	SHORT				C1053	1-126-934-11	ELECT	220μF	20%	16V
110011	1-210-235-31	SHOIN				C1003	1-163-809-11	CERAMIC CHIP	220μι 0.047μF	10%	25V
R3378	1-216-295-91	SHORT				01201	1-103-009-11	CLIVAINIC CI III	0.047μι	10 /0	25 V
		RES-CHIP	ECO	E0/	1/10\\	C4202	1 162 021 01	CEDAMIC CHID	0.04	100/	EOV/
R3379	1-216-043-91		560	5%	1/10W	C1202	1-163-021-91 1-126-960-11	CERAMIC CHIP	0.01µF	10%	50V 50V
R3380	1-216-033-00	RES-CHIP	220	5%	1/10W	C1203		ELECT	1μF	20%	
						C1204	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
						C1205	1-126-941-11	ELECT	470µF	20%	25V
	CRYSTAL					C1209	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
X2001	1-767-606-11	VIBRATOR, CRYSTA	۸L			C1210	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
X2002	1-767-367-21	VIBRATOR, CERAMI				C1211	1-128-551-11	ELECT	22µF	20%	25V
		(KV-36FV26 ONLY)				C1212	1-128-551-11	ELECT	22µF	20%	25V
X3302	1-781-929-21	VIBRATOR, CRYSTA	ιL			C1213	1-126-941-11	ELECT	470μF	20%	25V
			-			C1214	1-163-021-91	CERAMIC CHIP	470μ1 0.01μF	10%	50V
						01214	1-103-021-91	CLIVAINIC OTIII	0.01μι	1070	30 V
						C1215	1-126-960-11	ELECT	1μF	20%	50V
	∨ ⊨					C1262	1-216-081-00	RES-CHIP	22K	5%	1/10W
						C2000	1-126-941-11	ELECT	470µF	20%	25V
						C2002	1-128-551-11	ELECT	22µF	20%	25V
						C2012	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
*	A-1395-000-A	UY COMPLETE PC B	OARD			02012	1 100 021 01	0210 mm 0 01 m	οιο ιμι	1070	001
*		(KV-36FS12 ONLY)				C2015	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
*	A-1394-994-A	UY COMPLETE PC B	OARD			C2045	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
		(KV-36FS16 ONLY)				C2047	1-126-961-11	ELECT	2.2µF	20%	50V
						C2048	1-126-964-11	ELECT	10µF	20%	50V
						C2049	1-104-664-11	ELECT	47μF	20%	16V
	CAPACITOR								·		
0004	4 400 554 44	FLECT	20	200/	25/	C2056	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C201	1-128-551-11	ELECT	22µF	20%	25V	C2060	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C202	1-128-551-11	ELECT	22µF	20%	25V	C2062	1-104-664-11	ELECT	47µF	20%	16V
C203	1-128-551-11	ELECT	22µF	20%	25V	C2096	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C204	1-126-960-11	ELECT	1μF	20%	50V	C2097	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C205	1-126-960-11	ELECT	1µF	20%	50V						
C231	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	C2168	1-163-253-11	CERAMIC CHIP	120PF	5%	50V
C231	1-126-965-11			20%	50V	C2201	1-126-965-11	ELECT	22µF	20%	50V
		ELECT	22µF		25V	C2202	1-128-551-11	ELECT	22µF	20%	25V
C233	1-128-551-11		22µF	20%		C2203	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C234	1-126-960-11	ELECT	1μF	20%	50V	C3301	1-104-664-11	ELECT	47µF	20%	25V
C235	1-126-960-11	ELECT	1µF	20%	50V			(KV-36FS16 ONLY)			
C236	1-128-551-11	ELECT	22µF	20%	25V	00000	4 400 001 11	OEDANIO 01 115	0.04 5		F0\/
C237	1-126-960-11	ELECT	1µF	20%	50V	C3302	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C238	1-126-960-11	ELECT	1μF	20%	50V			(KV-36FS16 ONLY)			
C244	1-126-959-11	ELECT	0.47µF	20%	50V	C3303	1-126-961-11	ELECT	2.2µF	20%	50V
C245	1-126-959-11	ELECT	0.47μΓ 0.47μF	20%	50V			(KV-36FS16 ONLY)			
0240	1-120-939-11	ELECT	υ.47μΓ	20 /0	300	C3304	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C264	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	0000-	4 400 001 11	(KV-36FS16 ONLY)	00.5	0007	F0\'
C268	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	C3305	1-126-961-11	ELECT	2.2µF	20%	50V
C269	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	_		(KV-36FS16 ONLY)	–		
C272	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	C3306	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C273	1-103-231-11	ELECT	22µF	20%	25V			(KV-36FS16 ONLY)			
C273		ELECT				C3307	1-126-964-11	ELECT	10μF	20%	50V
	1-128-551-11		22µF	20%	25V			(KV-36FS16 ONLY)			
C279	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	C3308	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C281	1-128-551-11	ELECT	22µF	20%	25V			(KV-36FS16 ONLY)			
								•			



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Note:

REF.NO.	PART NO.	DESCRIPTION		REMARK		REF.NO.	PART NO.	DESCRIPTION	R	EMARK	
C3309	1-126-964-11	ELECT	10µF	20%	50V	C3371	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2244	1 162 020 01	(KV-36FS16 ONLY)	0.4		25//	COFFE	1 162 020 01	(KV-36FS16 ONLY)	0.4		251/
C3311	1-163-038-91	CERAMIC CHIP	0.1µF		25V	C3556	1-163-038-91	CERAMIC CHIP	0.1µF	400/	25V
		(KV-36FS16 ONLY)				C3557	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3312	1-126-964-11	ELECT	10μF	20%	50V	C3558	1-126-964-11	ELECT	10µF	20%	50V
		(KV-36FS16 ONLY)				C3559	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3313	1-163-038-91	CERAMIC CHIP	0.1µF		25V						
		(KV-36FS16 ONLY)				C3560	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3314	1-216-295-91	SHORT				C3561	1-126-964-11	ELECT	10μF	20%	50V
		(KV-36FS16 ONLY)				C3562	1-163-038-91	CERAMIC CHIP	0.1µF		25V
						C3563	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3315	1-216-295-91	SHORT				C3564	1-163-038-91	CERAMIC CHIP	0.1µF		25V
00040	4 040 005 04	(KV-36FS16 ONLY)				00505	4 400 000 04	OEDAMIO OLIID	0.4		05//
C3316	1-216-295-91	SHORT				C3565	1-163-038-91	CERAMIC CHIP	0.1µF	000/	25V
00047	4 404 000 44	(KV-36FS16 ONLY)	000 5	000/	05)/	C3566	1-126-964-11	ELECT	10µF	20%	50V
C3317	1-104-666-11	ELECT	220µF	20%	25V	C3567	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
000/5		(KV-36FS16 ONLY)	-	4627	0=1/	C3568	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3318	1-164-004-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.1µF	10%	25V	C3569	1-126-964-11	ELECT	10µF	20%	50V
C3319	1-163-031-11	CERAMIC CHIP	0.01µF		50V	C3570	1-126-964-11	ELECT	10μF	20%	50V
		(KV-36FS16 ONLY)	•			C3571	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
		,				C3573	1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V
C3320	1-104-664-11	ELECT	47µF	20%	16V	C3574	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
		(KV-36FS16 ONLY)	•			C3575	1-126-964-11	ELECT	10μ F	20%	50V
C3321	1-163-237-11	CERAMIC CHIP	27PF	5%	50V				-T		
		(KV-36FS16 ONLY)				C3576	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3322	1-163-237-11	CERAMIC CHIP	27PF	5%	50V	C3577	1-126-964-11	ELECT	10µF	20%	50V
		(KV-36FS16 ONLY)		-,-		C3578	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3323	1-163-038-91	CERAMIC CHIP	0.1µF		25V	C3579	1-104-664-11	ELECT	47µF	20%	16V
		(KV-36FS16 ONLY)									
C3325	1-104-664-11	ELECT	47µF	20%	16V						
		(KV-36FS16 ONLY)					CONNECTOR				
C3327	1-126-941-11	ELECT	470µF	20%	25V	CN261 *	1-564-510-11	PLUG, CONNECTOR	.7P		
		(KV-36FS16 ONLY)						(KV-36FS16 ONLY)			
C3328	1-126-925-11	ELECT	470µF	20%	10V	CN265 *	1-764-333-11	PLUG, CONNECTOR	10P		
		(KV-36FS16 ONLY)									
C3329	1-104-664-11	ELECT	47µF	20%	16V						
		(KV-36FS16 ONLY)					DIODE				
C3349	1-163-123-00	CERAMIC CHIP	180PF	5%	50V			DIODE LITTLE CALL			
		(KV-36FS16 ONLY)				D201	8-719-032-47	DIODE MTZJ-T-9110			
C3350	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V	D202	8-719-032-47	DIODE MTZJ-T-9110			
		(KV-36FS16 ONLY)				D203	8-719-032-47	DIODE MTZJ-T-9110			
						D204	8-719-032-47	DIODE MTZJ-T-9110			
C3354	1-163-031-11	CERAMIC CHIP	0.01µF		50V	D205	8-719-032-47	DIODE MTZJ-T-9110			
		(KV-36FS16 ONLY)									
C3357	1-163-031-11	CERAMIC CHIP	0.01µF		50V	D231	8-719-032-47	DIODE MTZJ-T-9110			
		(KV-36FS16 ONLY)	*** ·			D232	8-719-032-47	DIODE MTZJ-T-9110			
C3358	1-163-031-11	CERAMIC CHIP	0.01µF		50V	D233	8-719-032-47	DIODE MTZJ-T-9110			
••••		(KV-36FS16 ONLY)	0.0 · p.		•••	D234	8-719-032-47	DIODE MTZJ-T-9110			
C3368	1-216-295-91	SHORT				D235	8-719-032-47	DIODE MTZJ-T-9110			
20000	. 210 200 01	(KV-36FS16 ONLY)									
C3369	1-163-031-11	CERAMIC CHIP	0.01µF		50V	D236	8-719-032-47	DIODE MTZJ-T-9110			
00003	1-100-001-11	(KV-36FS16 ONLY)	υ.υ τμι		JUV	D237	8-719-032-47	DIODE MTZJ-T-9110			
C3370	1_162_021 11	CERAMIC CHIP	0.01		50V	D238	8-719-032-47	DIODE MTZJ-T-9110			
C3370	1-163-031-11		0.01µF		30 V	D239	8-719-032-47	DIODE MTZJ-T-9110			
		(KV-36FS16 ONLY)				D248	8-719-157-94	DIODE RD3.3SB-T1			
						D261	8-719-032-47	DIODE MTZJ-T-9110			
						5201	3 1 10 00E 11	2.05220 1 0110			

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D1051	8-719-073-01	DIODE MA111-TX			CHIP CONDU	ICTOR	
D1052	8-719-073-01	DIODE MA111-TX					
D1053	1-216-295-91	SHORT		JR1001	1-216-295-91	SHORT	
D1054	1-216-295-91	SHORT		JR1002	1-216-295-91	SHORT	
D2201	8-719-032-47	DIODE MTZJ-T-9110		JR1003	1-216-295-91	SHORT	
DLLUT	0 7 10 002 17	DIODE INITEO 1 0110		JR1004	1-216-295-91	SHORT	
D2202	8-719-032-47	DIODE MTZJ-T-9110		JR1014	1-216-295-91	SHORT	
D2202	8-719-032-47	DIODE MTZJ-T-9110					
DZZUJ	0-7 19-032-47	DIODE IVITZU-1-9110		JR1015	1-216-295-91	SHORT	
				JR1016	1-216-295-91	SHORT	
				JR1017	1-216-295-91	SHORT	
	FERRITE BE	<u>AD</u>		JR1018	1-216-295-91	SHORT	
FB2006	1-414-230-22	INDUCTOR CHIP	0μΗ	JR1019	1-216-295-91	SHORT	
FB2007	1-414-230-22	INDUCTOR CHIP	0μH				
			·	JR1020	1-216-295-91	SHORT	
FB2008	1-414-230-22	INDUCTOR CHIP	0μΗ	JR1021	1-216-295-91	SHORT	
FB3301	1-216-295-91	SHORT		JR1022	1-216-295-91	SHORT	
		(KV-36FS16 ONLY)		JR1023	1-216-295-91	SHORT	
FB3302	1-414-230-22	INDUCTOR CHIP	0μΗ	JR1023 JR1203	1-216-295-91		
		(KV-36FS16 ONLY)		JR 1203	1-210-290-91	OI ION I	
FB3303	1-414-230-22	INDUCTOR CHIP	0μΗ				
		(KV-36FS16 ONLY)			<u>COIL</u>		
FB3304	1-414-230-22	INDUCTOR CHIP	0μΗ	1.004	4 444 057 44	INDLICTOR	400
		(KV-36FS16 ONLY)		L261	1-414-857-11		100µH
FB3305	1-414-230-22	INDUCTOR CHIP	0µH	L1201	1-408-591-11	INDUCTOR	1μH
		(KV-36FS16 ONLY)	•	L1202	1-408-591-11	INDUCTOR	1μH
		,		L2004	1-414-856-11		10μH
				L2005	1-410-494-11	INDUCTOR	1mH
	<u>FILTER</u>						
	<u>FIL I ER</u>			L2009	1-414-856-11	INDUCTOR	10µH
FL2001	1-239-847-11	FILTER, LOW PASS		L3301	1-414-856-11	INDUCTOR	10µH
FL2002	1-239-847-11	FILTER, LOW PASS				(KV-36FS16 ONLY)	
FL2004	1-239-847-11	FILTER, LOW PASS		L3302	1-410-473-11	INDUCTOR	18µH
						(KV-36FS16 ONLY)	
				L3303	1-410-476-11	INDUCTOR	33µH
	10					(KV-36FS16 ONLY)	
	<u>IC</u>			L3304	1-414-856-11	INDUCTOR	10µH
IC261	8-752-066-69	IC CXA1845Q				(KV-36FS16 ONLY)	•
IC2006	8-759-358-38	IC NJM78M05DLA(TE	1)			(
IC3302	8-759-358-38	IC NJM78M05DLA(TE		L3305	1-414-856-11	INDUCTOR	10µH
100002	0 100-000-00	(KV-36FS16 ONLY)	''/			(KV-36FS16 ONLY)	- Inc. :
IC3303	8-759-658-34	,		L3306	1-414-856-11	INDUCTOR	10µH
IC3303	0-109-000-34	IC SDA9588X			1 717-000-11	(KV-36FS16 ONLY)	ισμι
100000	0.750.000.00	(KV-36FS16 ONLY)		1 2207	1-414-856-11	INDUCTOR	1∩u∐
IC3308	8-759-932-69	IC BU4053BCF-T2		L3307	11-000-11	(KV-36FS16 ONLY)	10µH
		(KV-36FS16 ONLY)		1 2200	1 /1/ 050 14	'	1∩⊔
				L3308	1-414-856-11	INDUCTOR	10µH
IC3310	8-759-583-47	IC UPC2933T-E1		1.0504	4 400 501 11	(KV-36FS16 ONLY)	4
		(KV-36FS16 ONLY)		L3581	1-408-591-11	INDUCTOR	1μH
IC3504	8-752-390-37	IC CXD2064Q-T6		L3582	1-408-591-11	INDUCTOR	1μΗ
	JACK				TRANSISTOR	<u> </u>	
				2000			24 A ODO TV
J231	1-750-515-11	TERMINAL BLOCK, S		Q202	8-729-422-27	TRANSISTOR 2SD60)1A-QRS-TX
J232	1-750-517-11	JACK BLOCK, PIN 3F				(KV-36FS16 ONLY)	
J233	1-750-516-11	JACK BLOCK, PIN 2F		Q203	8-729-422-27		01A-QRS-TX
J236	1-774-358-11	JACK BLOCK, PIN				(KV-36FS16 ONLY)	
		•		Q205	8-729-216-22	TRANSISTOR 2SB70	09A-QRS-TX
						(KV-36FS16 ONLY)	
						•	



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Note:

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK	
Q206	8-729-216-22	TRANSISTOR 2SB709A-QRS-	-TX		RESISTOR				
		(KV-36FS16 ONLY)		D004	4 040 000 00	DEC OUID	75	5 0/	4/4014/
Q207	8-729-422-27	TRANSISTOR 2SD601A-QRS	-TX	R201	1-216-022-00	RES-CHIP	75	5%	1/10W
		(KV-36FS16 ONLY)		R202	1-216-022-00	RES-CHIP	75	5%	1/10W
Q208	8-729-422-27	TRANSISTOR 2SD601A-QRS	TY	R203	1-216-022-00	RES-CHIP	75	5%	1/10W
Q200	0-123-422-21	(KV-36FS16 ONLY)	-1/	R204	1-216-113-00	RES-CHIP	470K	5%	1/10W
0200	0 700 400 07	•	TV	R205	1-216-113-00	RES-CHIP	470K	5%	1/10W
Q209	8-729-422-27	TRANSISTOR 2SD601A-QRS-	-17						
		(KV-36FS16 ONLY)		R206	1-216-295-91	SHORT			
Q210	8-729-422-27	TRANSISTOR 2SD601A-QRS-	-1X	R207	1-216-295-91	SHORT			
				R208	1-216-295-91	SHORT			
Q211	8-729-422-27	TRANSISTOR 2SD601A-QRS	-TX	R209	1-216-089-91	RES-CHIP	47K	5%	1/10W
Q212	8-729-422-27	TRANSISTOR 2SD601A-QRS-	-TX						
Q235	8-729-422-27	TRANSISTOR 2SD601A-QRS	-TX	R210	1-216-081-00	RES-CHIP	22K	5%	1/10W
Q236	8-729-422-27	TRANSISTOR 2SD601A-QRS-	-TX						
Q262	8-729-216-22	TRANSISTOR 2SB709A-QRS-		R211	1-216-089-91	RES-CHIP	47K	5%	1/10W
QLUL	0 120 210 22	THE WOOD FOR EDD FOOT WITE	17.	R212	1-216-081-00	RES-CHIP	22K	5%	1/10W
0000	8-729-216-22	TRANSISTOR 2SB709A-QRS-	TV	R213	1-216-089-91	RES-CHIP	47K	5%	1/10W
Q263				R214	1-216-081-00	RES-CHIP	22K	5%	1/10W
Q264	8-729-216-22	TRANSISTOR 2SB709A-QRS		R216	1-216-025-91	RES-CHIP	100	5%	1/10W
Q265	8-729-422-27	TRANSISTOR 2SD601A-QRS-				(KV-36FS16 ONLY)		0,0	.,
Q1051	8-729-216-22	TRANSISTOR 2SB709A-QRS	-TX			(117 001 010 01121)			
Q1201	8-729-216-22	TRANSISTOR 2SB709A-QRS-	-TX	D040	1 200 774 11	METAL CHID	470	0.500/	4/40\\\
				R218	1-208-774-11	METAL CHIP	470	0.50%	1/10W
Q1202	8-729-422-27	TRANSISTOR 2SD601A-QRS	-TX			(KV-36FS16 ONLY)			
Q1203	8-729-422-27	TRANSISTOR 2SD601A-QRS		R219	1-216-049-91	RES-CHIP	1K	5%	1/10W
Q1204	8-729-216-22	TRANSISTOR 2SB709A-QRS				(KV-36FS16 ONLY)			
		TRANSISTOR 2SD601A-QRS		R220	1-216-025-91	RES-CHIP	100	5%	1/10W
Q1205	8-729-422-27					(KV-36FS16 ONLY)			
Q1206	8-729-422-27	TRANSISTOR 2SD601A-QRS	-1X	R221	1-208-774-11	METAL CHIP	470	0.50%	1/10W
					00	(KV-36FS16 ONLY)	•	0.0070	.,
Q1207	8-729-216-22	TRANSISTOR 2SB709A-QRS	-TX	R222	1-216-049-91	RES-CHIP	1K	5%	1/10W
Q1208	8-729-216-22	TRANSISTOR 2SB709A-QRS-	-TX	RZZZ	1-210-049-91		IN	370	1/1000
Q2003	8-729-216-22	TRANSISTOR 2SB709A-QRS	-TX			(KV-36FS16 ONLY)			
Q2004	8-729-216-22	TRANSISTOR 2SB709A-QRS-	-TX						
Q2005	8-729-422-27	TRANSISTOR 2SD601A-QRS	-TX	R223	1-208-758-11	METAL CHIP	100	0.50%	1/10W
u_	0 0					(KV-36FS16 ONLY)			
Q2006	8-729-422-27	TRANSISTOR 2SD601A-QRS	TY	R225	1-216-025-91	RES-CHIP	100	5%	1/10W
Q2007	8-729-422-27	TRANSISTOR 2SD601A-QRS				(KV-36FS16 ONLY)			
				R226	1-216-025-91	RES-CHIP	100	5%	1/10W
Q2008	8-729-422-27	TRANSISTOR 2SD601A-QRS				(KV-36FS16 ONLY)			
Q2009	8-729-422-27	TRANSISTOR 2SD601A-QRS-		R227	1-216-041-00	RES-CHIP	470	5%	1/10W
Q2010	8-729-422-27	TRANSISTOR 2SD601A-QRS	-TX	IVELI	1 210 041 00	(KV-36FS16 ONLY)	710	0/0	1/1044
				Door	1-216-049-91	RES-CHIP	41/	E0/	4/40\\\
Q2014	8-729-422-27	TRANSISTOR 2SD601A-QRS	-TX	R228	1-210-049-91		1K	5%	1/10W
Q2018	8-729-216-22	TRANSISTOR 2SB709A-QRS-	-TX			(KV-36FS16 ONLY)			
Q2019	8-729-422-27	TRANSISTOR 2SD601A-QRS							
Q3301	8-729-422-27	TRANSISTOR 2SD601A-QRS		R229	1-216-049-91	RES-CHIP	1K	5%	1/10W
Q0001	0-123-422-21		-1/			(KV-36FS16 ONLY)			
00000	0.700.040.00	(KV-36FS16 ONLY)	T\/	R231	1-216-022-00	RES-CHIP	75	5%	1/10W
Q3306	8-729-216-22	TRANSISTOR 2SB709A-QRS	-1X	R232	1-216-022-00	RES-CHIP	75	5%	1/10W
		(KV-36FS16 ONLY)		R233	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
Q3307	8-729-216-22	TRANSISTOR 2SB709A-QRS-	-TX	R234	1-216-022-00	RES-CHIP	75	5%	1/10W
		(KV-36FS16 ONLY)		D00=	4 040 445 55	DE0 01115	47017	F 0.7	4/4000
Q3312	8-729-216-22	1	-TX	R235	1-216-113-00	RES-CHIP	470K	5%	1/10W
		(KV-36FS16 ONLY)		R236	1-216-113-00	RES-CHIP	470K	5%	1/10W
Q3315	8.720.216 22	TRANSISTOR 2SB709A-QRS	_{-TY}	R237	1-216-022-00	RES-CHIP	75	5%	1/10W
QUU 10	0-123-210-22		-17/	R238	1-216-113-00	RES-CHIP	470K	5%	1/10W
00040	0.700.040.00	(KV-36FS16 ONLY)	TV	R239	1-216-113-00	RES-CHIP	470K	5%	1/10W
Q3316	8-729-216-22	TRANSISTOR 2SB709A-QRS	-17				- *		
		(KV-36FS16 ONLY)		R241	1-216-113-00	RES-CHIP	470K	5%	1/10W
		TO A LIGIDITAD ACCRACA A COC	TV	11471	1 = 10 110-00	THE OTHER	11 011	U /U	1/1044
Q3317	8-729-422-27	TRANSISTOR 2SD601A-QRS- (KV-36FS16 ONLY)	-1/	R242	1-216-049-91	RES-CHIP	1K	5%	1/10W

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



PART NO. REF.NO. DESCRIPTION REMARK REF.NO. PART NO. DESCRIPTION REMARK R243 1-216-113-00 **RES-CHIP** 470K 1/10W 1-216-295-91 SHORT 5% R1205 R244 1-216-049-91 **RES-CHIP** 1K 5% 1/10W R1207 1-208-774-11 METAL CHIP 470 0.50% 1/10W 1-216-049-91 1K 5% 1/10W R257 **RES-CHIP** R1209 1-216-295-91 SHORT R258 2.2K 5% 1/10W SHORT 1-216-057-00 **RES-CHIP** R1210 1-216-295-91 1/10W R259 1-216-049-91 **RES-CHIP** 1K 5% 1/10W R1215 1-208-774-11 METAL CHIP 470 0.50% R260 1-216-057-00 **RES-CHIP** 2.2K 5% 1/10W R1216 1-216-057-00 **RES-CHIP** 5% 1/10W 2.2K R261 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1217 1-216-091-00 **RES-CHIP** 56K 5% 1/10W R262 1-216-067-00 **RES-CHIP** 5.6K 5% 1/10W R1219 1-216-073-00 **RES-CHIP** 10K 5% 1/10W R263 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1220 1-216-013-00 **RES-CHIP** 33 5% 1/10W R264 1-216-067-00 **RES-CHIP** 5.6K 5% 1/10W R1221 1-216-121-91 **RES-CHIP** 1M 5% 1/10W R265 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1222 1-216-073-00 **RES-CHIP** 10K 5% 1/10W R266 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1223 1-216-097-91 **RES-CHIP** 100K 5% 1/10W **RES-CHIP** 5% 1/10W 5% R267 1-216-025-91 100 R1224 1-216-089-91 **RES-CHIP** 47K 1/10W 5% R268 **RES-CHIP** 5% 1-216-097-91 **RES-CHIP** 100K 1-216-067-00 5.6K 1/10W R1225 1/10W 5% R269 1-216-067-00 **RES-CHIP** 5.6K 5% 1/10W R1227 1-216-073-00 **RES-CHIP** 10K 1/10W R270 1-216-049-91 **RES-CHIP** 1K 5% 1/10W 1-208-774-11 METAL CHIP 470 0.50% 1/10W R1228 R271 1-216-067-00 **RES-CHIP** 5.6K 5% 1/10W R1229 1-216-121-91 **RES-CHIP** 1M 5% 1/10W R272 **RES-CHIP** R1230 **RES-CHIP** 5% 1-216-025-91 100 5% 1/10W 1-216-073-00 10K 1/10W **RES-CHIP** SHORT R273 1-216-067-00 5.6K 5% 1/10W R1231 1-216-295-91 R274 1-216-049-91 **RES-CHIP** 1K 5% 1/10W R1233 1-216-097-91 **RES-CHIP** 100K 5% 1/10W R275 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1234 1-216-091-00 **RES-CHIP** 56K 5% 1/10W R276 1-216-295-91 SHORT R1235 1-216-013-00 **RES-CHIP** 33 5% 1/10W 5% 1/10W 5% 1/10W R278 1-216-067-00 **RES-CHIP** 5.6K R1236 1-216-097-91 **RES-CHIP** 100K R279 **RES-CHIP** 100 5% 1/10W 47K 5% 1-216-025-91 R1237 1-216-089-91 **RES-CHIP** 1/10W 5% R280 1-216-067-00 **RES-CHIP** 5.6K 5% 1/10W R1238 1-216-057-00 **RES-CHIP** 2.2K 1/10W R281 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1239 1-208-774-11 METAL CHIP 470 0.50% 1/10W R282 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1261 1-216-025-91 **RES-CHIP** 100 5% 1/10W R283 **RES-CHIP** 1/10W SHORT 1-216-049-91 1K 5% R1262 1-216-295-91 R284 **RES-CHIP** 220 1/10W SHORT 1-216-033-00 5% R1263 1-216-295-91 R285 1-216-033-00 **RES-CHIP** 220 5% 1/10W R1264 1-216-049-91 **RES-CHIP** 1K 5% 1/10W R286 1-216-067-00 **RES-CHIP** 5.6K 5% 1/10W 1-216-001-00 **RES-CHIP** 10 5% 1/10W R1265 R287 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1266 1-216-041-00 **RES-CHIP** 470 5% 1/10W R288 1-216-067-00 **RES-CHIP** 5.6K 5% 1/10W (KV-36FS16 ONLY) R289 1-216-067-00 **RES-CHIP** 5.6K 5% 1/10W R1267 1-216-025-91 **RES-CHIP** 100 5% 1/10W R290 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1268 1-216-049-91 **RES-CHIP** 1K 5% 1/10W (KV-36FS16 ONLY) R1269 1-216-041-00 **RES-CHIP** 470 5% 1/10W (KV-36FS16 ONLY) R291 1-216-067-00 **RES-CHIP** 5.6K 5% 1/10W R292 1/10W 1-216-295-91 SHORT R1270 1-216-049-91 **RES-CHIP** 1K 5% R293 **RES-CHIP** 100 5% 1/10W R1272 1-216-025-91 1-216-655-11 METAL CHIP 1.5K 0.50% 1/10W R294 1-216-077-91 **RES-CHIP** 15K 5% 1/10W R1273 1-208-788-11 METAL CHIP 1.8K 0.50% 1/10W R295 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1276 1-216-049-91 **RES-CHIP** 5% 1/10W 1K 1-216-025-91 **RES-CHIP** 5% 1/10W R1277 100 R296 1-216-025-91 **RES-CHIP** 100 5% 1/10W (KV-36FS16 ONLY) R297 5% 1/10W 1-216-025-91 **RES-CHIP** 100 R298 SHORT 1-216-295-91 1-216-025-91 **RES-CHIP** 1/10W R1279 100 5% R300 1-216-025-91 **RES-CHIP** 100 5% 1/10W R1281 1-216-295-91 SHORT R301 1-216-049-91 **RES-CHIP** 1K 5% 1/10W R1284 1-216-295-91 SHORT R1285 1-216-041-00 **RES-CHIP** 470 5% 1/10W R302 1-216-295-91 SHORT (KV-36FS16 ONLY) 5% 1/10W R1062 1-216-033-00 **RES-CHIP** 220 R1287 1-216-295-91 SHORT **RES-CHIP** 1/10W R1063 1-216-073-00 10K 5% R1288 1-216-295-91 SHORT



The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

REF.NO.	PART NO.	DESCRIPTION		REMARK		REF.NO.	PART NO.	DESCRIPTION		REMARK	
R1289	1-216-295-91	SHORT				R2202	1-216-022-00	RES-CHIP	75	5%	1/10W
R1290	1-216-295-91	SHORT				R2203	1-216-022-00	RES-CHIP	75 75	5%	1/10W
									73	370	1/1000
R1291	1-216-295-91	SHORT				R2204	1-216-295-91	SHORT			
R1292	1-216-295-91	SHORT						(KV-36FS16 ONLY)			
R1304	1-216-041-00	RES-CHIP	470	5%	1/10W	R3303	1-216-295-91	SHORT			
								(KV-36FS16 ONLY)			
R1305	1-208-776-11	METAL CHIP	560	0.50%	1/10W	R3304	1-216-295-91	SHORT			
R1306	1-216-025-91	RES-CHIP	100	5%	1/10W			(KV-36FS16 ONLY)			
R1307	1-216-041-00	RES-CHIP	470	5%	1/10W			(
R1308	1-208-776-11	METAL CHIP	560	0.50%	1/10W	R3305	1-216-043-91	RES-CHIP	560	5%	1/10W
R1309	1-216-025-91	RES-CHIP	100	5%	1/10W	110000	1 210 040 31	(KV-36FS16 ONLY)	500	0/0	1/1011
K1309	1-210-025-91	NEO-CI IIF	100	3/0	1/1000	Danne	4 040 000 00	,	220	F 0/	4/40\4/
Doore	4 040 004 00	DEO OLUB	001/	5 0/	4/4014/	R3308	1-216-033-00	RES-CHIP	220	5%	1/10W
R2015	1-216-081-00	RES-CHIP	22K	5%	1/10W	_		(KV-36FS16 ONLY)			
R2016	1-216-081-00	RES-CHIP	22K	5%	1/10W	R3309	1-216-041-00	RES-CHIP	470	5%	1/10W
R2017	1-216-295-91	SHORT						(KV-36FS16 ONLY)			
R2018	1-216-295-91	SHORT				R3310	1-216-033-00	RES-CHIP	220	5%	1/10W
R2021	1-216-081-00	RES-CHIP	22K	5%	1/10W			(KV-36FS16 ONLY)			
						R3312	1-216-037-00	RES-CHIP	330	5%	1/10W
R2027	1-216-049-91	RES-CHIP	1K	5%	1/10W	110012	1 210 001 00	(KV-36FS16 ONLY)	000	0,0	171011
		RES-CHIP						(IXV-301 010 014L1)			
R2028	1-216-049-91		1K	5% 5%	1/10W	D0040	4 040 044 00	DEC OUID	400	F 0/	4/40/4/
R2029	1-216-043-91	RES-CHIP	560	5%	1/10W	R3313	1-216-041-00	RES-CHIP	100	5%	1/10W
R2030	1-216-043-91	RES-CHIP	560	5%	1/10W			(KV-36FS16 ONLY)			
R2031	1-216-081-00	RES-CHIP	22K	5%	1/10W	R3314	1-216-041-00	RES-CHIP	100	5%	1/10W
								(KV-36FS16 ONLY)			
R2032	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R3316	1-216-295-91	SHORT			
R2033	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W			(KV-36FS16 ONLY)			
R2034	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R3319	1-216-295-91	SHORT			
R2035	1-216-049-91	RES-CHIP	1K	5%	1/10W	110010	1 210 200 01	(KV-36FS16 ONLY)			
						Danno	4 040 005 04	,			
R2036	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R3320	1-216-295-91	SHORT			
								(KV-36FS16 ONLY)			
R2037	1-208-784-11	METAL CHIP	1.2K	0.50%	1/10W						
R2038	1-208-762-11	METAL CHIP	150	0.50%	1/10W	R3322	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2039	1-216-047-91	RES-CHIP	820	5%	1/10W			(KV-36FS16 ONLY)			
R2040	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R3323	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2041	1-216-047-91	RES-CHIP	820	5%	1/10W			(KV-36FS16 ONLY)			
						R3324	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2042	1-216-075-00	RES-CHIP	12K	5%	1/10W	110021	1 210 010 01	(KV-36FS16 ONLY)		0/0	1,1011
R2043		RES-CHIP	33K			D2227	1-216-295-91	SHORT			
	1-216-085-00			5%	1/10W	R3327			412	5 0/	4/4014/
R2044	1-208-790-11		2.2K	0.50%	1/10W	R3343	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2046	1-216-075-00	RES-CHIP	12K	5%	1/10W			(KV-36FS16 ONLY)			
R2047	1-216-085-00	RES-CHIP	33K	5%	1/10W						
						R3344	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2048	1-216-049-91	RES-CHIP	1K	5%	1/10W			(KV-36FS16 ONLY)			
R2050	1-216-017-91	RES-CHIP	47	5%	1/10W	R3345	1-216-295-91	SHORT			
R2051	1-216-049-91	RES-CHIP	1K	5%	1/10W	1.00.0		(KV-36FS16 ONLY)			
R2055	1-216-017-91	RES-CHIP	47	5%	1/10W	R3346	1-216-049-91	RES-CHIP	1K	5%	1/10W
						13340	1-210-049-91		IIX	3/0	1/1000
R2057	1-216-049-91	RES-CHIP	1K	5%	1/10W	D00.47	4 040 004 00	(KV-36FS16 ONLY)	0.017	5 0/	4/4014/
						R3347	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R2060	1-216-025-91	RES-CHIP	100	5%	1/10W			(KV-36FS16 ONLY)			
R2069	1-208-774-11	METAL CHIP	470	0.50%	1/10W	R3348	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2070	1-216-615-91	METAL CHIP	33	0.50%	1/10W			(KV-36FS16 ONLY)			
R2071	1-216-067-00	RES-CHIP	5.6K	5%	1/10W			. ,			
R2072	1-216-043-91	RES-CHIP	560	5%	1/10W	R3350	1-216-295-91	SHORT			
112012	. 210 070 01	Orm	000	0/0	.,	1,0000	. 210 200 01	(KV-36FS16 ONLY)			
D2072	1 216 040 04	DEC CHID	11/	E 0/	1/10\\\	D2255	1 016 005 04				
R2073	1-216-049-91	RES-CHIP	1K	5%	1/10W	R3355	1-216-295-91	SHORT			
R2074	1-216-025-91	RES-CHIP	100	5%	1/10W] _		(KV-36FS16 ONLY)			
R2081	1-216-075-00	RES-CHIP	12K	5%	1/10W	R3357	1-216-295-91	SHORT			
R2201	1-216-022-00	RES-CHIP	75	5%	1/10W			(KV-36FS16 ONLY)			
						•		•			

Note:

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R338	REF.NO.	PART NO.	DESCRIPTION		REMARK		REF.NO.	PART NO.	DESCRIPTION	RE	MARK	
126-047-91 RES-CHIP S0	R3358	1-216-033-00	RES-CHIP	220	5%	1/10W		_				
R380 1-216-03-00 RES-CHIP 1.5K 9k 1/10W RES-CHIP 2.0K 9k 1/10W RES-CHIP 2.0K 9k 1/10W RES-CHIP 2.0K 2.0K			,				\//	Δ				
1246-053-00 ES-C-HIP 15K 5k 1/10W	R3359	1-216-047-91		820	5%	1/10W	V V					
R3371 1-216-045-09 RES-CHIP 680 9% 1/10W R3376 1-216-295-91 R3376 RES-CHIP R3376 RES-CHIP R3376 R3376 RES-CHIP R3376 R3376 RES-CHIP R3376 R3376 RES-CHIP R3376 R	Dagen	1 216 052 00	•	1 EV	E 0/	1/10/1/						
R336	K3300	1-210-000-00		r.or	3%	1/1000		A 427E 404 A	WA COMPLETE DO	DOADD		
R3370	R3361	1-216-045-00	,	680	5%	1/10W		A-13/3-191-A	WA COMPLETE PC	BUAKU		
R3370					0,0	.,		4-382-854-11	SCREW (M3X10) P	SW (+)		
R3374	R3370	1-216-295-91	,					1002 001 11	CONEW (MOXIO), I	, 🗤 (.)		
R3376			(KV-36FS16 ONLY)									
C341	D0074	4 040 005 04	OLIODT					CAPACITOR				
R3376 1-216-295-91 SHORT C946 1-126-964-11 ELECT 10µF 20% 50V R3376 1-216-295-91 SHORT C947 1-104-968-11 ELECT 10µF 20% 25V R3377 1-216-295-91 SHORT C959 1-161-830-00 CERAMIC C0047µF 500V R3378 1-216-295-91 SHORT C950 1-126-941-11 ELECT 470µF 20% 25V R3379 1-216-295-91 SHORT C950 1-126-941-11 ELECT 470µF 20% 25V R3379 1-216-295-91 SHORT C950 1-126-941-11 ELECT 470µF 20% 25V R3370 1-216-295-91 SHORT C950 1-126-941-11 ELECT 470µF 20% 25V R3371 1-216-295-91 RES-CHIP C90 5% 1/10W C950 1-109-93-11 MYLAR 0.1µF 10% 200V R3371 1-216-295-91 SHORT C950 5% 1/10W C950 1-109-93-11 MYLAR 0.047µF 10% 200V R3371 1-216-293-00 RES-CHIP 20 5% 1/10W C950 1-130-471-00 MYLAR 0.047µF 10% 200V R3372 1-216-033-00 RES-CHIP 220 5% 1/10W C950 1-163-021-91 CERAMIC CHIP 0.047µF 20% 25V R3582 1-216-033-00 RES-CHIP 220 5% 1/10W C960 1-163-021-91 CERAMIC CHIP 0.047µF 20% 25V R3583 1-216-061-00 RES-CHIP 3.3K 5% 1/10W C960 1-163-021-91 CERAMIC CHIP 0.1µF 10% 25V R3583 1-216-061-00 RES-CHIP 3.3K 5% 1/10W C960 1-126-961-11 ELECT 10µF 20% 50V R3583 1-216-061-00 RES-CHIP 3.3K 5% 1/10W C961 1-126-961-11 ELECT 10µF 20% 50V R3583 1-216-061-00 RES-CHIP 3.3K 5% 1/10W C961 1-126-961-11 ELECT 10µF 20% 50V R3583 1-216-061-00 RES-CHIP 50W 1/10W C961 1-126-961-11 ELECT 10µF 20% 50V R3583 1-216-061-00 RES-CHIP 50W 1/10W C961 1-126-961-11 ELECT 10µF 20% 50V R3590 1-216-295-91 SHORT C970	R33/4	1-216-295-91					C0/1	1 126 042 61	ELECT	1000uE	200/	25\/
R3376	R3375	1-216-295-91	•									
R3376	110070	1-210-230-31								•		
R3377	R3376	1-216-295-91	,									
R3377 1-216-295-91 SHORT	110070	1 210 200 01								•	2070	
R3378	R3377	1-216-295-91	,				0010	1 101 000 00	OLI U WIIIO	0.00 π μι		0001
R3378			(KV-36FS16 ONLY)				C950	1-126-941-11	ELECT	470µF	20%	25V
R3379	R3378	1-216-295-91	SHORT				C951	1-107-645-11	ELECT	22µF	20%	160V
R3379			(KV-36FS16 ONLY)							•		
R3379			,				C953	1-106-383-00	MYLAR	•	10%	200V
R3381	R3379	1-216-043-91	RES-CHIP	560	5%	1/10W	C954	1-130-471-00	MYLAR	•	5%	50V
R3511			(KV-36FS16 ONLY)							·		
R3511 1-216-295-91 SHORT C957 1-106-383-00 MYLAR 0.047µF 10% 200 25V	R3381	1-216-033-00	RES-CHIP	220	5%	1/10W	C955	1-107-667-11	ELECT	2.2µF	20%	160V
R3527 1-216-033-00 RES-CHIP 220 5% 1/10W C968 1-126-941-11 ELECT 470μF 20% 25V			(KV-36FS16 ONLY)				C956	1-130-471-00	MYLAR	0.001µF	5%	50V
R3582 1-216-033-00 RES-CHIP 220 5% 1/10W C960 1-163-021-91 CERAMIC CHIP 0.01µF 10% 50V	R3511	1-216-295-91	SHORT				C957	1-106-383-00	MYLAR	0.047µF	10%	200V
R3583 1-216-061-00 RES-CHIP 3.3K 5% 1/10W C962 1-126-964-11 ELECT 10µF 20% 50V R3585 1-216-295-91 SHORT C965 1-104-664-11 ELECT 10µF 20% 50V R3592 1-216-295-91 SHORT C965 1-104-664-11 ELECT 10µF 20% 50V R3593 1-216-295-91 SHORT C965 1-104-664-11 ELECT 10µF 20% 50V R3593 1-216-295-91 SHORT C965 1-104-664-11 ELECT 47µF 20% 25V R3593 1-216-295-91 SHORT C965 1-104-664-11 ELECT 10µF 20% 50V R3593 1-216-295-91 SHORT C965 1-104-664-11 ELECT 10µF 20% 50V R3593 1-216-295-91 SHORT C965 1-104-664-11 ELECT 10µF 20% 50V R3593 1-216-295-91 SHORT C967 1-126-964-11 ELECT 10µF 20% 50V R3593 1-216-295-91 SHORT C970 1-163-021-91 CERAMIC CHIP 0.01µF 10% 50V C1946 1-136-165-00 MYLAR 0.1µF 5% 50V C1946 1-136-165-00 MYLAR 0	R3527	1-216-033-00	RES-CHIP	220	5%	1/10W	C958	1-126-941-11	ELECT	470µF	20%	25V
R3584 1-216-057-00 RES-CHIP 2.2K 5% 1/10W C962 1-126-964-11 ELECT 10μF 20% 50V	R3582	1-216-033-00	RES-CHIP	220	5%	1/10W	C960	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
R3584 1-216-057-00 RES-CHIP 2.2K 5% 1/10W C962 1-126-964-11 ELECT 10μF 20% 50V	R3583	1-216-061-00	RES-CHIP	3 3K	5%	1/10\\	C961	1_16/_00/_11	CERAMIC CHIP	0.1uF	10%	25\/
R3585 1-216-061-00 RES-CHIP 3.3K 5% 1/10W C963 1-126-963-11 ELECT 4.7μF 20% 50V R3596 1-216-295-91 SHORT SHORT C966 1-110-501-11 CERAMIC CHIP 0.33μF 10% 16V R3590 1-216-295-91 SHORT SHORT C966 1-126-960-11 ELECT 47μF 20% 50V R3592 1-216-091-00 RES-CHIP 56K 5% 1/10W C967 1-126-964-11 ELECT 10μF 20% 50V R3593 1-216-295-91 SHORT SHORT C966 1-126-964-11 ELECT 10μF 20% 50V R3593 1-216-295-91 SHORT SHORT C970 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C970 1-126-295-91 SHORT C971 1-104-664-11 ELECT 47μF 20% 25V C972 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C973 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C973 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C973 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C974 1-137-150-11 MYLAR 0.0027μF 5% 50V C975 C1946 1-136-165-00 MYLAR 0.1μF 5% 50V C1946 1-136-165-00 MYLAR 0.1μF 5% 50V C1946 1-136-165-00 MYLAR 0.1μF 5% 50V C1946 1-129-725-00 FILM 0.0022μF 5% 630V C1946 1-129-725-00 FILM 0.0022μF 5% 630V C1966 1-129-718-00 FILM 0.0022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 630V C1966												
R3586 1-216-295-91 SHORT SHORT SHORT C964 1-110-501-11 CERAMIC CHIP 0.33μF 10% 16V C965 1-104-664-11 ELECT 47μF 20% 25V										•		
R3591				0.01	3/0	1/1044				•		
R3591 1-216-295-91 SHORT R3592 1-216-091-00 RES-CHIP 56K 5% 1/10W R3593 1-216-043-91 RES-CHIP 560 5% 1/10W R3594 1-216-295-91 SHORT R3595 1-216-295-91 SHORT R3596 1-216-295-91 SHORT R3597 1-216-295-91 SHORT R3598 1-216-295-91 SHORT R3599 1-216-295-91 SHORT CRYSTAL X3302 1-781-929-21 VIBRATOR, CRYSTAL (KV-36FS16 ONLY) C1961 1-126-960-11 ELECT 10µF 20% 50V C968 1-163-021-91 CERAMIC CHIP 0.01µF 10% 50V C970 1-163-021-91 CERAMIC CHIP 0.01µF 10% 50V C971 1-104-664-11 ELECT 47µF 20% 25V C972 1-163-251-11 CERAMIC CHIP 0.01µF 10% 50V C973 1-163-021-91 CERAMIC CHIP 0.01µF 10% 50V C974 1-137-150-11 MYLAR 0.01µF 5% 50V C976 1-130-967-00 FILM 0.0027µF 5% 50V C977 1-104-760-11 CERAMIC CHIP 0.047µF 10% 50V C1941 1-126-941-11 ELECT 470µF 20% 25V C1941 1-136-165-00 MYLAR 0.1µF 5% 50V C1941 1-129-725-00 FILM 0.0022µF 10% 50V C1941 1-129-725-00 FILM 0.0022µF 5% 400V C1962 1-163-021-91 CERAMIC CHIP 0.01µF 10% 50V C1963 1-129-718-00 FILM 0.022µF 5% 630V C1966 1-137-378-11 MYLAR 0.022µF 5% 630V										•		
R3592 1-216-091-00 RES-CHIP 56K 5% 1/10W C967 1-126-964-11 ELECT 10μF 20% 50V	110000	1 210 200 01	O. IO. C.					1 101 001 11		17 Pri	2070	201
R3593 1-216-043-91 RES-CHIP 560 5% 1/10W C968 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C970 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C970 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C970 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C971 1-104-664-11 ELECT 47μF 20% 25V C973 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C973 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C974 1-137-150-11 MYLAR 0.01μF 5% 50V C976 1-130-967-00 FILM 0.0027μF 5% 50V C977 1-104-760-11 CERAMIC CHIP 0.047μF 10% 50V C976 1-136-165-00 MYLAR 0.1μF 5% 50V C1946 1-136-165-00 MYLAR 0.1μF 5% 50V C1947 1-136-165-00 MYLAR 0.1μF 5% 50V C1948 1-164-161-11 CERAMIC CHIP 0.0022μF 5% 50V C1965 1-129-725-00 FILM 0.0022μF 5% 630V C1966 1-137-378-11 MYLAR 0.02μF 5% 630V C1966 1-137-378-11 MYLAR 0.022μF 5% 630V C1966	R3591	1-216-295-91	SHORT				C966	1-126-960-11	ELECT	1μF	20%	50V
R3594 1-216-295-91 SHORT C970 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V	R3592	1-216-091-00	RES-CHIP	56K	5%	1/10W	C967	1-126-964-11	ELECT	10µF	20%	50V
R3595 1-216-295-91 SHORT SHORT C971 1-104-664-11 ELECT 47μF 20% 25V	R3593	1-216-043-91	RES-CHIP	560	5%	1/10W	C968	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
R3599 1-216-295-91 SHORT C972 1-163-251-11 CERAMIC CHIP 100PF 5% 50V	R3594	1-216-295-91	SHORT				C970	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
CRYSTAL CERAMIC CHIP 100PF 5% 50V C973 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C974 1-137-150-11 MYLAR 0.01μF 5% 50V C976 1-130-967-00 FILM 0.0027μF 5% 50V C976 1-104-760-11 CERAMIC CHIP 0.047μF 10% 50V C976 1-104-760-11 CERAMIC CHIP 0.047μF 10% 50V C1941 1-126-941-11 ELECT 470μF 20% 25V C1946 1-136-165-00 MYLAR 0.1μF 5% 50V C1947 1-136-165-00 MYLAR 0.1μF 5% 50V C1948 1-164-161-11 CERAMIC CHIP 0.0022μF 10% 50V C1961 1-129-725-00 FILM 0.082μF 5% 400V C1965 1-129-718-00 FILM 0.022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 50V C1966 1-137-378-11 MYLAR	R3595	1-216-295-91	SHORT				C971	1-104-664-11	ELECT	47μF	20%	25V
CRYSTAL X3302 1-781-929-21 VIBRATOR, CRYSTAL (KV-36FS16 ONLY) C973 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C974 1-137-150-11 MYLAR 0.01μF 5% 50V C976 1-130-967-00 FILM 0.0027μF 5% 50V C977 1-104-760-11 CERAMIC CHIP 0.047μF 10% 50V C1941 1-126-941-11 ELECT 470μF 20% 25V C1946 1-136-165-00 MYLAR 0.1μF 5% 50V C1947 1-136-165-00 MYLAR 0.1μF 5% 50V C1948 1-164-161-11 CERAMIC CHIP 0.0022μF 10% 50V C1948 1-164-161-11 CERAMIC CHIP 0.0022μF 10% 50V C1961 1-129-725-00 FILM 0.082μF 5% 400V C1965 1-129-718-00 FILM 0.022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 50V	R3599	1-216-295-91	SHORT									
CRYSTAL C974												
C976								1-163-021-91		•		
X3302 1-781-929-21 VIBRATOR, CRYSTAL (KV-36FS16 ONLY) C1941 1-126-941-11 ELECT 470μF 20% 25V C1946 1-136-165-00 MYLAR 0.1μF 5% 50V C1947 1-136-165-00 MYLAR 0.1μF 5% 50V C1948 1-164-161-11 CERAMIC CHIP 0.0022μF 10% 50V C1961 1-129-725-00 FILM 0.082μF 5% 400V C1962 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C1965 1-129-718-00 FILM 0.022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 50V		CRYSTAL										
(KV-36FS16 ONLY) C1941 1-126-941-11 ELECT 470µF 20% 25V C1946 1-136-165-00 MYLAR 0.1µF 5% 50V C1947 1-136-165-00 MYLAR 0.1µF 5% 50V C1948 1-164-161-11 CERAMIC CHIP 0.0022µF 10% 50V C1961 1-129-725-00 FILM 0.082µF 5% 400V C1962 1-163-021-91 CERAMIC CHIP 0.01µF 10% 50V C1965 1-129-718-00 FILM 0.022µF 5% 630V C1966 1-137-378-11 MYLAR 0.22µF 5% 50V	\/0000	1 701 000 01	\(\(\mathrea{\pi}\) \(\mathrea{\pi}\) \(\mathrea									
C1941 1-126-941-11 ELECT 470μF 20% 25V C1946 1-136-165-00 MYLAR 0.1μF 5% 50V C1947 1-136-165-00 MYLAR 0.1μF 5% 50V C1948 1-164-161-11 CERAMIC CHIP 0.0022μF 10% 50V C1961 1-129-725-00 FILM 0.082μF 5% 400V C1962 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C1965 1-129-718-00 FILM 0.022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 50V	X3302	1-781-929-21		AL.			C977	1-104-760-11	CERAMIC CHIP	0.047µF	10%	50V
C1946 1-136-165-00 MYLAR 0.1μF 5% 50V C1947 1-136-165-00 MYLAR 0.1μF 5% 50V C1948 1-164-161-11 CERAMIC CHIP 0.0022μF 10% 50V C1961 1-129-725-00 FILM 0.082μF 5% 400V C1962 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C1965 1-129-718-00 FILM 0.022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 50V			(551 515 ONE1)				C1941	1-126-041-11	FLECT	470uF	20%	25\/
C1947 1-136-165-00 MYLAR 0.1μF 5% 50V C1948 1-164-161-11 CERAMIC CHIP 0.0022μF 10% 50V C1961 1-129-725-00 FILM 0.082μF 5% 400V C1962 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C1965 1-129-718-00 FILM 0.022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 50V										•		
C1948 1-164-161-11 CERAMIC CHIP 0.0022μF 10% 50V C1961 1-129-725-00 FILM 0.082μF 5% 400V C1962 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C1965 1-129-718-00 FILM 0.022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 50V												
C1961 1-129-725-00 FILM 0.082μF 5% 400V C1962 1-163-021-91 CERAMIC CHIP 0.01μF 10% 50V C1965 1-129-718-00 FILM 0.022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 50V										•		
C1962 1-163-021-91 CERAMIC CHIP 0.01µF 10% 50V C1965 1-129-718-00 FILM 0.022µF 5% 630V C1966 1-137-378-11 MYLAR 0.22µF 5% 50V										•		
C1965 1-129-718-00 FILM 0.022μF 5% 630V C1966 1-137-378-11 MYLAR 0.22μF 5% 50V							31001	. 120 120 00		0.002μι	0,0	1001
C1966 1-137-378-11 MYLAR 0.22µF 5% 50V									CERAMIC CHIP	•		
C1968 1-137-378-11 MYLAR 0.22μF 5% 50V												
							C1968	1-137-378-11	MYLAR	0.22µF	5%	50V



The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

C1974 CN941 * CN942 * CN961 * CN981 * CN981 * D941 D943 D944 D945 D946 D947 D950	1-564-508-11 1-770-723-11 1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88 8-719-110-88	PLUG, CONNECTOR PLUG, CONNECTOR BO PLUG, CONNECTOR BO PLUG, CONNECTOR DIODE 1SS133T-IDIODE 1SS133T-IDIODE 1SS133T-IDIODE MTZJ-T-77	OR 5P ARD TO BO/ OR 3P 77 77 77 75-5.6C	20% 20%	25V 25V	Q944 Q945 Q946 Q947 Q949 Q961 Q962 Q963 Q965 Q966	8-729-422-27 8-729-045-05 8-729-045-04 8-729-216-22 8-729-119-76 8-729-119-76 8-729-216-22 8-729-216-22 8-729-140-97 8-729-422-27		601A-QRS-T) 2005 :5511 709A-QRS-T) 601A-QRS-T) 1309A-QRST, 1309A-QRST, 514 709A-QRS-T)		
CN941 * CN942 * CN961 * CN981 * D941 D943 D944 D945 D946 D947 D950	CONNECTOR 1-564-511-11 1-564-508-11 1-770-723-11 1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-991-33 8-719-110-88 8-719-110-88	PLUG, CONNECTO PLUG, CONNECTO CONNECTOR, BO PLUG, CONNECTO DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE MTZJ-T-77	OR 8P OR 5P PARD TO BO/ OR 3P 77 77 77 75		25V	Q946 Q947 Q949 Q961 Q962 Q963 Q965 Q966	8-729-045-05 8-729-045-04 8-729-216-22 8-729-422-27 8-729-119-76 8-729-119-76 8-729-931-45 8-729-216-22 8-729-140-97	TRANSISTOR 2SA TRANSISTOR 2SD TRANSISTOR 2SD TRANSISTOR 2SA TRANSISTOR 2SA TRANSISTOR IRFO TRANSISTOR 2SB TRANSISTOR 2SB	2005 5511 709A-QRS-T) 601A-QRS-T) 1309A-QRST, 1309A-QRST, 514 709A-QRS-T)		
SN941 * SN942 * SN961 * SN981	CONNECTOR 1-564-511-11 1-564-508-11 1-770-723-11 1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-991-33 8-719-110-88 8-719-110-88	PLUG, CONNECTO PLUG, CONNECTO CONNECTOR, BO PLUG, CONNECTO DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE MTZJ-T-77	OR 8P OR 5P PARD TO BO/ OR 3P 77 77 77 75			Q946 Q947 Q949 Q961 Q962 Q963 Q965 Q966	8-729-045-05 8-729-045-04 8-729-216-22 8-729-422-27 8-729-119-76 8-729-119-76 8-729-931-45 8-729-216-22 8-729-140-97	TRANSISTOR 2SD TRANSISTOR 2SD TRANSISTOR 2SD TRANSISTOR 2SA TRANSISTOR IRFO TRANSISTOR 2SB TRANSISTOR 2SB	25511 709A-QRS-T) 601A-QRS-T) 1309A-QRST, 1309A-QRST, 614 709A-QRS-T) 734-T-34	A A	
CN941 * CN942 * CN961 * CN981	1-564-511-11 1-564-508-11 1-770-723-11 1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88	PLUG, CONNECTO PLUG, CONNECTO CONNECTOR, BO PLUG, CONNECTO DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE MTZJ-T-77	OR 5P ARD TO BO/ OR 3P 77 77 77 75-5.6C	ARD 8P		Q947 Q949 Q961 Q962 Q963 Q965 Q966	8-729-045-04 8-729-216-22 8-729-422-27 8-729-119-76 8-729-119-76 8-729-931-45 8-729-216-22 8-729-140-97	TRANSISTOR 2SD TRANSISTOR 2SD TRANSISTOR 2SD TRANSISTOR 2SA TRANSISTOR IRFO TRANSISTOR 2SB TRANSISTOR 2SB	25511 709A-QRS-T) 601A-QRS-T) 1309A-QRST, 1309A-QRST, 614 709A-QRS-T) 734-T-34	A A	
CN941 * CN942 * CN961 * CN981 * CN981 * CN981 * CN981 * CN981 *	1-564-511-11 1-564-508-11 1-770-723-11 1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88	PLUG, CONNECTO PLUG, CONNECTO CONNECTOR, BO PLUG, CONNECTO DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE MTZJ-T-77	OR 5P ARD TO BO/ OR 3P 77 77 77 75-5.6C	ARD 8P		Q949 Q961 Q962 Q963 Q965 Q966	8-729-216-22 8-729-422-27 8-729-119-76 8-729-119-76 8-729-931-45 8-729-216-22 8-729-140-97	TRANSISTOR 2SB TRANSISTOR 2SD TRANSISTOR 2SA TRANSISTOR 1RF6 TRANSISTOR 2SB TRANSISTOR 2SB	709A-QRS-T) 601A-QRS-T) 1309A-QRST, 1309A-QRST, 614 709A-QRS-T) 734-T-34	A A	
CN941 * CN942 * CN961 * CN981 * CN981 * CN981 * CN981 * CN981 *	1-564-511-11 1-564-508-11 1-770-723-11 1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88	PLUG, CONNECTO PLUG, CONNECTO CONNECTOR, BO PLUG, CONNECTO DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE 1SS133T-1 DIODE MTZJ-T-77	OR 5P ARD TO BO/ OR 3P 77 77 77 75-5.6C	ARD 8P		Q961 Q962 Q963 Q965 Q966	8-729-422-27 8-729-119-76 8-729-119-76 8-729-931-45 8-729-216-22 8-729-140-97	TRANSISTOR 2SD TRANSISTOR 2SA TRANSISTOR 2SA TRANSISTOR IRFO TRANSISTOR 2SB	601A-QRS-T) 1309A-QRST, 1309A-QRST, 614 709A-QRS-T) 734-T-34	A A	
CN942 * CN961 * CN981 * CN981 * D941 D943 D944 D945 D946 D947 D950	1-564-508-11 1-770-723-11 1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88 8-719-110-88	PLUG, CONNECTOR BO PLUG, CONNECTOR BO PLUG, CONNECTOR BO PLUG, CONNECTOR BOOM BOOM BOOM BOOM BOOM BOOM BOOM BO	OR 5P ARD TO BO/ OR 3P 77 77 77 75-5.6C	ARD 8P		Q962 Q963 Q965 Q966 Q967 Q968	8-729-119-76 8-729-119-76 8-729-931-45 8-729-216-22 8-729-140-97	TRANSISTOR 2SA TRANSISTOR 2SA TRANSISTOR IRFO TRANSISTOR 2SB	1309A-QRST. 1309A-QRST. 614 709A-QRS-T> 734-T-34	A A	
CN961 * CN981 * D941 D943 D944 D945 D946 D947 D950	1-770-723-11 1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88 8-719-110-88	DIODE 1SS133T-I DIODE 1SS133T-I DIODE 1SS133T-I DIODE MTZJ-T-77	ARD TO BO OR 3P 77 77 77 75-5.6C	ARD 8P		Q963 Q965 Q966 Q967 Q968	8-729-119-76 8-729-931-45 8-729-216-22 8-729-140-97	TRANSISTOR 2SA TRANSISTOR IRFO TRANSISTOR 2SB TRANSISTOR 2SB	1309A-QRST/ 614 709A-QRS-T> 734-T-34	A (
D941 D943 D944 D945 D946 D947	1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88 8-719-110-88	DIODE 1SS133T-I DIODE 1SS133T-I DIODE 1SS133T-I DIODE MTZJ-T-77	OR 3P 77 77 77 -5.6C	ARD 8P		Q963 Q965 Q966 Q967 Q968	8-729-119-76 8-729-931-45 8-729-216-22 8-729-140-97	TRANSISTOR 2SA TRANSISTOR IRFO TRANSISTOR 2SB	1309A-QRST/ 614 709A-QRS-T> 734-T-34	A (
D941 D943 D944 D945 D946 D947 D950	1-564-506-11 DIODE 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88 8-719-110-88	DIODE 1SS133T-I DIODE 1SS133T-I DIODE 1SS133T-I DIODE MTZJ-T-77	OR 3P 77 77 77 -5.6C			Q965 Q966 Q967 Q968	8-729-931-45 8-729-216-22 8-729-140-97	TRANSISTOR IRFO TRANSISTOR 2SB TRANSISTOR 2SB	614 709A-QRS-T> 734-T-34	(
	DIODE 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88 8-719-110-88	DIODE 1SS133T-I DIODE 1SS133T-I DIODE 1SS133T-I DIODE MTZJ-T-77	77 77 77 -5.6C			Q966 Q967 Q968	8-729-216-22 8-729-140-97	TRANSISTOR 2SB TRANSISTOR 2SB	709A-QRS-T> 734-T-34		
D941 D943 D944 D945 D946 D947	8-719-991-33 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88	DIODE 1SS133T-7 DIODE 1SS133T-7 DIODE MTZJ-T-77	77 77 7-5.6C			Q967 Q968	8-729-140-97	TRANSISTOR 2SB	734-T-34		
D941 D943 D944 D945 D946 D947	8-719-991-33 8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88	DIODE 1SS133T-7 DIODE 1SS133T-7 DIODE MTZJ-T-77	77 77 7-5.6C			Q968				(
D943 D944 D945 D946 D947 D950	8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88 8-719-110-88	DIODE 1SS133T-7 DIODE 1SS133T-7 DIODE MTZJ-T-77	77 77 7-5.6C				8-729-422-27	TRANSISTOR 29D	℅Ω℩℧ⅎΩ℞ℴℸ℩		
D943 D944 D945 D946 D947	8-719-991-33 8-719-991-33 8-719-109-89 8-719-110-88 8-719-110-88	DIODE 1SS133T-7 DIODE 1SS133T-7 DIODE MTZJ-T-77	77 77 7-5.6C			^^^					
D944 D945 D946 D947 D950	8-719-991-33 8-719-109-89 8-719-110-88 8-719-110-88	DIODE 1SS133T-7 DIODE MTZJ-T-77	77 '-5.6C			Q969	8-729-422-27	TRANSISTOR 2SD			
D945 D946 D947 D950	8-719-109-89 8-719-110-88 8-719-110-88	DIODE MTZJ-T-77	-5.6C			Q1961	8-729-140-97	TRANSISTOR 2SB	734-T-34		
D946 D947 D950	8-719-110-88 8-719-110-88					Q1963	8-729-216-22	TRANSISTOR 2SB	709A-QRS-T		
D947 D950	8-719-110-88	DIODE MTZJ-T-77									
D950			'-39			Q1964	8-729-216-22	TRANSISTOR 2SB	709A-QRS-TX		
D950						Q1966	8-729-422-27	TRANSISTOR 2SD			
		DIODE MTZJ-T-77	'-39			Q1967	8-729-216-22				
	8-719-991-33	DIODE 1SS133T-7	77			Q1307	0-723-210-22	TRANSISTOR 20D	100A-Q110-17		
	8-719-991-33	DIODE 1SS133T-7	77								
	8-719-991-33	DIODE 1SS133T-7									
	8-719-073-01	DIODE MA111-TX					<u>resistor</u>				
						R941	1-249-441-11	CARBON	100K	5%	1/4W
D964	8-719-210-21	DIODE ERA82-00	4TP5			R943	1-216-033-00	RES-CHIP	220	5%	1/10W
D966	8-719-075-41	DIODE PR1004GT	•			R944	1-216-049-91	RES-CHIP	1K	5%	1/10W
D981	8-719-914-43	DIODE DAN202K-	T-146			R945	1-216-049-91	RES-CHIP	1K	5%	1/10W
D1961	8-719-991-33	DIODE 1SS133T-7	77			R946	1-215-888-00		220	5%	2W
D1962	8-719-991-33	DIODE 1SS133T-7	77							0,0	
						R947	1-216-025-91	RES-CHIP	100	5%	1/10W
						R949	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
	FERRITE BEA	עע				R950	1-216-049-91		1K	5%	1/10W
1		<u>10</u>				R951	1-216-049-91		1K	5%	1/10W
FB901	1-410-397-21	FERRITE	1.1µH			R952	1-216-041-00		470	5%	1/10W
FB902	1-410-397-21	FERRITE	1.1µH			11302	1-210-041-00	INEO-OF III	470	3/0	1/1044
						R953	1-216-021-00		68	5%	1/10W
						R954	1-216-033-00	RES-CHIP	220	5%	1/10W
ļ	<u>IC</u>					R955	1-216-047-91	RES-CHIP	820	5%	1/10W
10004	0.750.000.40	10 1 40500 54				R956	1-216-025-91	RES-CHIP	100	5%	1/10W
		IC LA6500-FA				R957	1-216-073-00	RES-CHIP	10K	5%	1/10W
	8-759-659-67	IC NJM2903D									
	8-759-659-67	IC NJM2903D				R958	1-216-025-91	RES-CHIP	100	5%	1/10W
	8-759-700-42	IC NJM2904D				R959	1-216-021-00		68	5%	1/10W
IC965	8-759-701-59	IC NJM78M09FA					1-216-065-91		4.7K	5%	1/10W
						R960					
						R961	1-216-091-00		56K	5%	1/10W
	COIL					R962	1-216-077-91	RES-CHIP	15K	5%	1/10W
	1-459-104-00	COIL, WITH CORE				R963	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
						R964	1-216-073-00		10K	5%	1/10W
_964	1-406-989-21	INDUCTOR	10mH			R965	1-216-077-91		15K	5%	1/10W
						R966	1-216-077-91		10K	5% 5%	1/10W
	TRANSISTOR	<u>.</u>				R967	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
Q941	8-729-422-27	TRANSISTOR 2SI	0601A-QRS-1	ГХ		R968	1-208-802-11	METAL CHIP	6.8K	0.50%	1/10W
	8-729-216-22	TRANSISTOR 2SE				R969	1-216-025-91	RES-CHIP	100	5%	1/10W
		TRANSISTOR 2SE				R970	1-208-820-11		39K		1/10W

R1963 1-216-033-00

1-215-489-00

1-216-073-00

R1964

R1967

R1969

RES-CHIP

METAL

RES-CHIP

1-216-057-00 RES-CHIP

220

2.2K

680K

10K

Note:

Les composants identifies per un trame et une marque

⚠ sont critiques pour la securite. Ne les remplacer

que par une piece portant le numero specifie.



The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION		REMARK		REF.NC	D. PART NO.	DESCRIPTION	ı	REMARK	
R971	1-216-049-91	RES-CHIP	1K	5%	1/10W	R1970	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R972	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R1971	1-216-121-91	RES-CHIP	1M	5%	1/10W
R973	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1972	1-216-073-00	RES-CHIP	10K	5%	1/10W
R974	1-208-808-11	METAL CHIP	12K	0.50%	1/10W	R1973	1-216-035-00	RES-CHIP	270	5%	1/10W
R975	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1975	1-216-073-00	RES-CHIP	10K	5%	1/10W
Nara	1-210-073-00	NES-CHIF	IUK	3/0	1/ 1000	Kiara	1-210-073-00	KES-OHIF	IUN	3/0	1/1000
R976	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1976	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W
R977	1-249-401-11	CARBON	47	5%	1/4W	R1978	1-216-025-91	RES-CHIP	100	5%	1/10W
R978	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1980	1-216-041-00	RES-CHIP	470	5%	1/10W
R979	1-216-033-00	RES-CHIP	220	5%	1/10W	R1981	1-216-081-00	RES-CHIP	22K	5%	1/10W
R980	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1982	1-216-081-00	RES-CHIP	22K	5%	1/10W
R981	1-216-081-00	RES-CHIP	22K	5%	1/10W	R1983	1-216-073-00	RES-CHIP	10K	5%	1/10W
R982	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R1984	1-216-089-91	RES-CHIP	47K	5%	1/10W
R983	1-249-381-11	CARBON	1	5%	1/4W	R1987	1-208-818-11	METAL CHIP	33K	0.50%	1/10W
R984	1-249-383-11	CARBON	1.5	5%	1/4W	R1989	1-208-818-11	METAL CHIP	33K	0.50%	1/10W
R985	1-215-421-00	METAL	1K	1%	1/4W	R1990	1-216-089-91	RES-CHIP	47K	5%	1/10W
R986	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1991	1-216-081-00	RES-CHIP	22K	5%	1/10W
R988	1-215-429-00	METAL	2.2K	1%	1/4W	R1992	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R990	1-216-025-91	RES-CHIP	100	5%	1/10W	R2962	1-215-885-00	METAL OXIDE	68	5%	2W
R991	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W	R2965	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R992	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W	R2968	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W
N33Z	1-200-734-11	WETAL CHIF	J.JN	0.30 /6	1/1000	N2900	1-200-734-11	WETAL CHIF	J.JN	0.5076	1/1000
R993	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2969	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R994	1-216-025-91	RES-CHIP	100	5%	1/10W	R2971	1-208-826-11	METAL CHIP	68K	0.50%	1/10W
R995	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R2972	1-216-113-00	RES-CHIP	470K	5%	1/10W
R1941	1-260-312-11	CARBON	47	5%	1/2W	R2973	1-216-025-91	RES-CHIP	100	5%	1/10W
R1942	1-249-387-11	CARBON	3.3	5%	1/4W	R2975	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R1943	1-249-414-11	CARBON	560	5%	1/4W	R2976	1-216-025-91	RES-CHIP	100	5%	1/10W
	1-249-414-11	CARBON			1/ 4 VV 1/4W		1-216-023-91	RES-CHIP			1/10W
R1944		-	18K	5%		R2979			100K	5%	
R1945	1-215-914-11	METAL OXIDE	330	5%	3W	R2980	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1946	1-249-417-11	CARBON	1K	5%	1/4W						
R1947	1-249-432-11	CARBON	18K	5%	1/4W		VARIARI E R	FOIOTOD			
R1948	1-249-414-11	CARBON	560	5%	1/4W		<u>VARIABLE R</u>	<u>ESISTOR</u>			
R1949	1-249-387-11	CARBON	3.3	5%	1/4W	RV941	1-238-019-11	RES, ADJ, CARBON	47K		
R1950	1-249-401-11	CARBON	47	5%	1/4W						
R1951	1-216-097-91	RES-CHIP	100K	5%	1/10W						
R1952	1-216-097-91	RES-CHIP	100K	5%	1/10W						
	. =										
R1953	1-216-085-00	RES-CHIP	33K	5%	1/10W						
R1954	1-208-822-11	METAL CHIP	47K	0.50%	1/10W		ACCESSORI	ES AND PACKAGIN	IG		
R1955	1-208-808-11	METAL CHIP	12K	0.50%	1/10W						
R1956	1-216-057-00	RES-CHIP	2.2K	5%	1/10W						
R1957	1-216-295-91	SHORT				•	4-066-646-01	BAG, PROTECTION			
						*	4-075-691-01	CARTON, INDIVIDUA			
R1958	1-216-061-00	RES-CHIP	3.3K	5%	1/10W			(KV-36FS12/36FS16	,		
R1959	1-216-073-00	RES-CHIP	10K	5%	1/10W	*	4-069-515-01	CARTON, INDIVIDUA			
R1960	1-216-037-00	RES-CHIP	330	5%	1/10W	l .		(KV-36FV16/36FV260			
R1961	1-208-820-11	METAL CHIP	39K	0.50%	1/10W	*	4-075-048-01	CUSHION ASSY, FRO		ER)	
R1962	1-208-806-11	METAL CHIP	10K	0.50%	1/10W			(KV-36FS12/36FS16	,		
	/ /	*****				1	4-069-389-01	CUSHION ASSY, FRO	ONT (UPP	ER)	

1/10W

1/10W

1/4W

1/10W

5%

5%

1%

5%

4-069-389-01

4-075-047-01

CUSHION ASSY, FRONT (UPPER)

(KV-36FV16/36FV26ONLY)

(KV-36FS12/36FS16 ONLY)

CUSHION ASSY, LOWER

KV-36FS12/36FS16/36FV16/36FV26

Note:

(KV-36FS16 ONLY)

(KV-36FV26 ONLY)

(KV-36FV16 ONLY)

BATTERY COVER

REMOTE COMMANDER (RM-Y170)

REMOTE COMMANDER (RM-Y171)

(FOR RM-Y168/RM-Y169/RM-Y170/RM-Y171)

1-418-465-11

1-418-496-11

4-978-977-01

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
* 4-069-390-01	CUSHION ASSY, LO					
8-953-742-90	(KV-36FV16/36FV26 HEADPHONE MDR-I (KV-36FV26 ONLY)	·				
4-075-587-21	MANUAL, INSTRUCT	TION				
REMOTE CO	<u>OMMANDER</u>					
1-418-387-11	REMOTE COMMAND (KV-36FS12 ONLY)	PER (RM-Y168)				
1-418-384-11	REMOTE COMMAND	ER (RM-Y169)				

NOTES:		

KV-36FS12/36FS16/36FV16/36FV26

NOTES:	

PRINTING THE SERVICE MANUAL

The PDF of this service manual is not designed to be printed from cover to cover. The pages vary in size, and must therefore be printed in sections based on page dimensions.

NON-SCHEMATIC PAGES

Data that does NOT INCLUDE schematic diagrams are formatted to 8.5 x 11 inches and can be printed on standard letter-size and/or A4-sized paper.

SCHEMATIC DIAGRAMS

The schematic diagram pages are provided in two ways, full size and tiled. The full-sized schematic diagrams are formatted on paper sizes between 8.5" x 11" and 18" x 30" depending upon each individual diagram size. Those diagrams that are LARGER than 11" x 17" in full-size mode have been tiled for your convience and can be printed on standard 11" x 17" (tabloid-size) paper, and reassembled.

TO PRINT FULL SIZE SCHEMATIC DIAGRAMS.

If you have access to a large paper plotter or printer capable of outputting the full-sized diagrams, output as follows:

- 1) Note the page size(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.
- 2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your large format printer. Confirm that the printer settings are set to output the indicated page size or larger.
- 3) Close the Print Set Up screen and return to the File menu. Select "Print..." Input the page number of the schematic(s) you want to print in the print range window. Choose OK.

TO PRINT TILED VERSION OF SCHEMATICS -

Schematic pages that are larger than 11" x 17" full-size are provided in a 11" x 17" printable tiled format near the end of the document. These can be printed to tabloid-sized paper and assembled to full-size for easy viewing.

If you have access to a printer capable of outputting the tabloid size (11" x 17") paper, then output the tiled version of the diagram as follows:

- 1) Note the page number(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.
- 2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your printer. Confirm that the plotter settings are set to output 11" x 17", or tabloid size paper in landscape () mode.
- 3) Close the Print Set Up screen and return to the File menu. Select "Print..." Input the page number of the schematic(s) you want to print in the print range window. Choose OK.

TO PRINT SPECIFIC SECTIONS OF A SCHEMATIC_

To print just a particular section of a PDF, rather than a full page, access the Graphics Select tool in the Acrobat Reader tool bar.

- 1) To view the Graphics Select Tool, press and HOLD the mouse button over the Text Select Tool which looks like: This tool will expand to reveal to additional tools.

 Choose the Graphics Select tool by placing the cursor over the button on of the far right that looks like:
- 2) After selecting the Graphics Select Tool, place your cursor in the document window and the cursor will change to a plus (+) symbol. Click and drag the cursor over the area you want to print. When you release the mouse button, a marquee (or dotted lined box) will be displayed outlining the area you selected.
- 3) With the marquee in place, go to the file menu and select the "Print..." option. When the print window appears, choose the option under the section called "Print Range" which says "Selected Graphic".

Select OK and the output will print only the area that you outlined with the marquee.

ON-SCREEN SEARCH OPTION

All of the text within the service manual PDF is content searchable. This means that you can enter any text, word, phrase or reference number that appears in the manual, and the PDF software will search, find and move the cursor to the location where you requested text first appears. This feature can be particularly useful in locating components on a specific schematic or printed wire circuit board (PWB) diagrams.

Follow these steps to effectively locate a component on a schematic diagram:

- 1) Locate the schematic you want to search by clicking on the corresponding bookmark on the left side of the screen. The view on the right of the screen will then jump to the desired schematic page.
- 2) Magnify the diagram to at least 400% before conducting a component search. This will enable you to easily view the reference number when it is highlighted on screen. To do this, click on the magnifying glass button on the tool bar at the top of the screen. Move the cursor over the diagram and RIGHT click you mouse. Select the 400% magnification option on the pop-up menu. Click on the button with the icon of the open hand to deactivate the magnification tool
- 3) Search the diagram (or the entire manual) by clicking on the binocular button tool at the top of the screen. The "Find" window will appear and allow you to type in your desired text. Type in a reference designator, such as R502, and click on the "Find" button. If the component is not on the diagram, but is listed anywhere else in the manual, the cursor will jump to the first location the text is found in the file. To find another instance of that same text, click on the binocular button again and select "Find Again."

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

AA-2Uchassis

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KV-36FS12	RM-Y168	US	SCC-S44A-A
KV-36FS12	RM-Y168	CND	SCC-S45A-A
KV-36FS12	RM-Y168	HAWAII	SCC-S46A-A
KV-36FS16	RM-Y169	US	SCC-S44B-A
KV-36FS16	RM-Y169	CND	SCC-S45B-A
KV-36FS16	RM-Y169	HAWAII	SCC-S46B-A
KV-36FV16	RM-Y171	US	SCC-S44C-A
KV-36FV16	RM-Y171	HAWAII	SCC-S46C-A
KV-36FV26	RM-Y170	US	SCC-S44D-A
KV-36FV26	RM-Y170	CND	SCC-S45C-A
KV-36FV26	RM-Y170	HAWAII	SCC-S46D-A
KV-38FS16	RM-Y169	MEXICO	SCC-S50F-A

ORIGINAL MANUAL ISSUE DATE: 5/2000

ALL REVISIONS AND UPDATES TO THE ORIGINAL MANUAL ARE APPENDED TO THE END OF THE PDF FILE.

REVISION DATE	REVISION TYPE	SUBJECT
5/2000	No revisions or undates	s are applicable at this time
6/2000	CORRECTION-1	Added new Door Assy. to Exploded View. ITC Assy. Ref. No. Corrected
2/2001	CORRECTION-2	Tuner and Terminal Labels for Rear Cover
10/2001	SUPPLEMENT-1	New model added. New multi-button (top) P/N on exploded view.
		New instruction manual



SERVICE MANUAL

AA-2U CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST</u>	CHASSIS NO.
KV-36FS12	RM-Y168	US	SCC-S44A-A
KV-36FS12	RM-Y168	CND	SCC-S45A-A
KV-36FS12	RM-Y168	HAWAII	SCC-S46A-A
KV-36FS16	RM-Y169	US	SCC-S44B-A
KV-36FS16	RM-Y169	CND	SCC-S45B-A
KV-36FS16	RM-Y169	HAWAII	SCC-S46B-A
KV-36FV16	RM-Y171	US	SCC-S44C-A
KV-36FV16	RM-Y171	HAWAII	SCC-S46C-A
KV-36FV26	RM-Y170	US	SCC-S44D-A
KV-36FV26	RM-Y170	CND	SCC-S45C-A
KV-36FV26	RM-Y170	HAWAII	SCC-S46D-A

CORRECTION-1

Subject: Add Door Assy to Exploded View. ITC Assy Ref. No. Corrected

Correct the service manual as shown below. File this correction with the service manual.

Section 7: Exploded Views (Pages 81, 83)

Door Assy added to Exploded View

Section 7: Exploded View (Page 83)

ITC Ref. No. Changed from 29 to 34

: Corrected Item



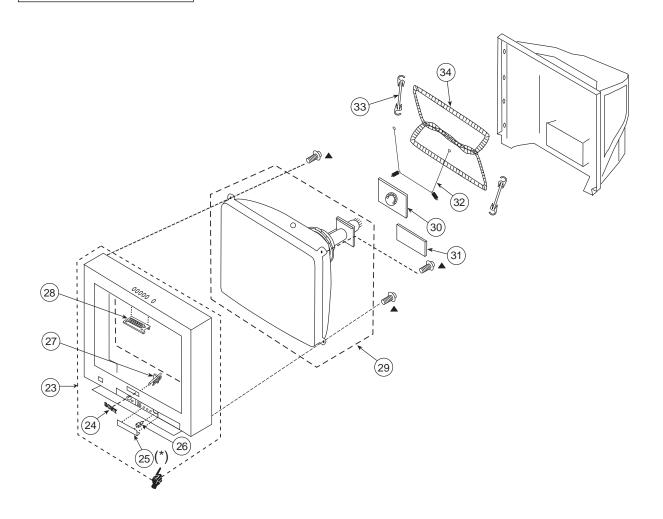
The components identified by shading and mark $\ensuremath{\Delta}$ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-2. PICTURE TUBE (KV-36FS12/36FS16 ONLY)

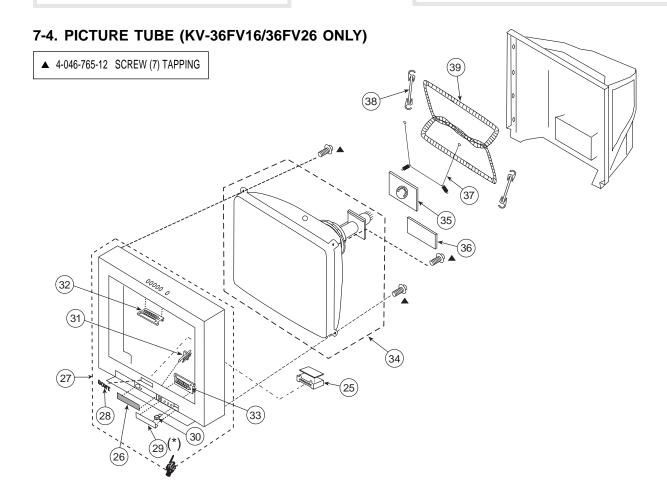
▲ 4-046-765-12 SCREW (7) TAPPING



	REF. NO.	PART NO.	DESCRIPTION	REMARK	
	23	X-4037-665-1	BEZNET ASSY	24-26	
	24	3-704-179-31	EMBLEM (NO.9), SON	Υ	
	25	4-075-658-01	DOOR		
2	- 25(*)	X-4037-631-3	DOOR ASSY		
•		(NOTE: The a	above part must be orde	ered when replacing the doo	r only)
	26	4-047-464-01	CATCHER, PUSH		
	27	4-075-657-01	GUIDE, LED		
	28	4-068-982-02	MULTI-BUTTON (TOP)	
	29 △	8-735-048-61	ITC 38RSN-A1 (US/C	anada models only)	
	29 ⚠	8-735-081-61	ITC 38RSN-A1M (Hav	vaii models only)	
	30 *	A-1331-942-A	C (VAR) MOUNTED P	C BOARD	
	31 *	A-1375-191-A	WA COMPLETE PC B	OARD	
	32	4-036-329-01	SPRING (B), TENSIO	N	
	33	4-065-895-03	HOLDER, DGC		
	34 △	1-416-828-31	COIL, DEGAUSSING		

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:



	REF. N	<u>10.</u>	PARTNO.	DESCRIPTION	REMARK
	25	*	4-068-992-01	CASE, IR SHIELD (KV-36FV26 ONLY)	
	26		4-068-991-01	PANEL, IR (KV-36FV26 ONLY)
	27		X-4037-910-1	BEZNET ASSY (KV-36FV26 ONLY)	28-30
	27		X-4037-909-1	BEZNET ASSY (KV-36FV16 ONLY)	28-30
	28		3-704-179-31	EMBLEM (NO.9), SONY	
	29		4-068-985-04	DOOR	
- 23	29(*)		X-4037-631-3	DOOR ASSY.	
•			(NOTE: The a	bove part must be ordered who	en replacing the door only)
	30		3-703-574-00	RETAINER, DOOR	
	31		4-068-986-01	GUIDE, LED	
	32		4-068-982-02	MULTI-BUTTON (TOP)	
	33		4-068-984-01	MULTI-BUTTON (BOTTOM)	
	34 4	Λ	8-735-048-61	ITC 38RSN-A1 (US/Canada n	nodels only)
	34 4	Λ	8-735-081-61	ITC 38RSN-A1M (Hawaii mod	dels only)
	35	*	A-1331-942-A	C (VAR) MOUNTED PC BOAR	D
	36	*	A-1375-191-A	WA COMPLETE PC BOARD	
	37		4-036-329-01	SPRING (B), TENSION	
	38		4-065-895-03	HOLDER, DGC	
	39 4	Λ	1-416-828-31	COIL, DEGAUSSING	

SERVICE MANUAL

AA-2U CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST</u>	CHASSIS NO.
KV-36FS12	RM-Y168	US	SCC-S44A-A
KV-36FS12	RM-Y168	CND	SCC-S45A-A
KV-36FS12	RM-Y168	HAWAII	SCC-S46A-A
KV-36FS16	RM-Y169	US	SCC-S44BA-A
KV-36FS16	RM-Y169	CND	SCC-S45B-A
KV-36FS16	RM-Y169	HAWAII	SCC-S46B-A
KV-36FV16	RM-Y171	US	SCC-S44C-A
KV-36FV16	RM-Y171	HAWAII	SCC-S46C-A
KV-36FV26	RM-Y170	US	SCC-S44D-A
KV-36FV26	RM-Y170	CND	SCC-S45C-A
KV-36FV26	RM-Y170	HAWAII	SCC-S46D-A

CORRECTION - 2

SUBJECT: Tuner and Terminal labels for rear cover must be ordered separately using the part numbers provided on this correction sheet.

Correct the service manual as shown. File this Correction with the service manual.

Section 7: Exploded View - Page 82

7-3: CHASSIS (KV-36FV16/36FV26 ONLY)

: Corrected Item

	Incorrec	t	Correct			
REF NO.	PART NO.	DESCRIPTION		REF NO.	PART NO.	DESCRIPTION
20	4-068-998-01	COVER, REAR		- 20	4-068-998-03	COVER, REAR (**SEE NOTE BELOW)
Not Liste	d> Needs to be Adde	d		21	4-070-353-01	TUNER TERMINAL LABEL
Not Liste	d> Needs to be Adde	d		22	4-076-655-21	TERMINAL LABEL

^{**} The rear cover does not include any terminal labels. These labels (items 21 and 22) must be ordered separately when ordering a replacement rear cover.



Sony Corporation
Sony Technology Center
Technical Services
Service Promotion Department



SERVICE MANUAL

AA-2U CHASSIS

MODEL NAME	REMOTE COMMANDER	DESTINATION	CHASSIS NO.	
KV-36FS12	RM-Y168	US	SCC-S44A-A	
KV-36FS12	RM-Y168	CND	SCC-S45A-A	
KV-36FS12	RM-Y168	HAWAII	SCC-S46A-A	
KV-36FS16	RM-Y169	US	SCC-S44B-A	
KV-36FS16	RM-Y169	CND	SCC-S45B-A	
KV-36FS16	RM-Y169	HAWAII	SCC-S46B-A	
KV-36FV16	RM-Y171	US	SCC-S44C-A	
KV-36FV16	RM-Y171	HAWAII	SCC-S46C-A	
KV-36FV26	RM-Y170	US	SCC-S44D-A	
KV-36FV26	RM-Y170	CND	SCC-S45C-A	
KV-36FV26	RM-Y170	HAWAII	SCC-S46D-A	
★ KV-38FS16	RM-Y169	MEXICO	SCC-S50F-A	

SUPPLEMENT - 1

SUBJECT: NEW MODEL ADDED. NEW MULTI-BUTTON

(TOP) P/N ON EXPLODED VIEW. NEW

INSTRUCTION MANUAL

Correct the service manual as shown.

File this Correction with the service manual.

TRINITRON® COLOR TELEVISION SONY®

: Modified Item

Section 7: Exploded View (Page 81)

7-2. Picture Tube (KV-36FS12/36FS16/38FS16)

	INCORRECT				CORREC	T	
REF. NO.	PART NO.	DESCRIPTION	[Assembly Includes]	REF. NO	D. PART NO.	DESCRIPTION	
28 4	-068-982-02	MULTI-BUTTON	N (TOP)	28	4-068-982-06	MULTI-BUTTON (TOP)	

Section 8: Electrical Parts List (Page 116)

ACCESSORIES AND PACKAGING

INCORRECT				CORRE	ECT
REF. NO. PART N	IO. DESCRIPTION	[Assembly Includes]	REF. NO.	PART NO.	DESCRIPTION
4-075-587-21 N	IANUAL, INSTRUCTION	(KV-36FS12/36FS16 ONLY)			INSTRUCTION (KV-36FS12/36FS16 ONLY) (English) INSTRUCTION (KV-38FS16 ONLY) (Spanish)